

Maricopa County Health Status Report 2004 – 2008



Five Year Trends Reference Tables



Prepared by the Maricopa County Department of Public Health
Office of Epidemiology
June 2010

Maricopa County

Acknowledgements

This report was prepared by the Maricopa County Department of Public Health, Office of Epidemiology.

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The authors wish to thank the following individuals and organizations for contributing numeric data, consultation, and other information used in this report. Their assistance is much appreciated.

Sarah Santana, Tammy Sylvester, Vjollca Berisha– Office of Epidemiology and Data Services
Tom Mickey, Jay Jones – Maricopa County Department of Public Health, Division of Clinical Services
Kristina Schaller – Arizona Department of Health Services
S. Robert Bailey – Arizona Department of Health Services
Christopher Mrela – Arizona Department of Health Services

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Maricopa County Health Status Report 2004-2008

Five Year Trends: Reference Tables

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Introduction

This report provides health status information for the years 2004 to 2008 for residents of Maricopa County, Arizona. It includes data for mortality (death), communicable diseases, and natality (birth), as well as information on the size and demographic distribution of the population.

For each disease or health indicator, the following information is provided:

- Number of cases in the county
 - Communicable Disease Example: 52 residents of Maricopa County were diagnosed with a confirmed case of West Nile Virus in 2008.
 - Natality (Birth) Example: There were 818 infants born with a very low birthweight (less than 1500 grams) in 2008.
- Rate or percentage of cases in the county
 - Communicable Disease Example: For every 100,000 residents of Maricopa County, 1.3 were diagnosed with West Nile Virus in 2008.
 - Natality (Birth) Example: Among all live births in 2008, 1.2% of infants were born with a very low birthweight.

All data in this report are for calendar years 2004 through 2008.

Information on data sources and methodology are in Section III – Technical Notes.

***I. Maricopa County Population Statistics
2004-2008 Tables***

Maricopa County Population Statistics

Table 1.01 Population By Race/Ethnicity, Age, and Sex, 2008

Age by Sex

Age	Males		Females		Total	
	No.	%	No.	%	No.	%
0-4	169,824	8.5%	162,491	8.3%	332,315	8.4%
5-9	154,685	7.8%	148,573	7.6%	303,258	7.7%
10-14	143,812	7.2%	137,049	7.0%	280,861	7.1%
15-19	137,955	6.9%	127,945	6.5%	265,900	6.7%
20-24	131,561	6.6%	116,478	5.9%	248,039	6.3%
25-34	314,920	15.8%	280,132	14.3%	595,052	15.0%
35-44	294,831	14.8%	274,524	14.0%	569,355	14.4%
45-54	257,190	12.9%	259,073	13.2%	516,263	13.1%
55-64	188,266	9.4%	204,258	10.4%	392,524	9.9%
65-74	110,680	5.6%	125,119	6.4%	235,799	6.0%
75-84	64,954	3.3%	84,489	4.3%	149,443	3.8%
85+	24,294	1.2%	41,495	2.1%	65,789	1.7%
Total	1,992,972		1,961,626		3,954,598	

Race/Ethnicity by Sex

Race/Ethnicity	Males		Females	
	No.	%	No.	%
White	1,147,368	57.6%	1,179,198	60.1%
Hispanic	645,667	32.4%	578,338	29.5%
African American	84,855	4.3%	81,530	4.2%
Amer. Ind., Non-Hisp	30,758	1.5%	33,469	1.7%
Asian	56,360	2.8%	60,965	3.1%
Other/2+ Races	27,964	1.4%	28,126	1.4%
Total	1,992,972		1,961,626	

Age by Race/Ethnicity

Age	White		Hispanic		African American		American Indian		Asian		Other/2+ Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
0-4	131,757	5.7%	159,937	13.1%	15,255	9.2%	6,805	10.6%	9,179	7.8%	9,382	16.7%	332,315
5-9	130,512	5.6%	135,472	11.1%	14,926	9.0%	5,977	9.3%	8,061	6.9%	8,310	14.8%	303,258
10-14	130,071	5.6%	116,880	9.5%	14,138	8.5%	5,191	8.1%	7,558	6.4%	7,023	12.5%	280,861
15-19	133,772	5.7%	100,675	8.2%	14,038	8.4%	5,800	9.0%	6,229	5.3%	5,386	9.6%	265,900
20-24	131,708	5.7%	88,049	7.2%	12,421	7.5%	5,517	8.6%	5,969	5.1%	4,375	7.8%	248,039
25-34	290,717	12.5%	237,829	19.4%	25,566	15.4%	11,961	18.6%	21,814	18.6%	7,165	12.8%	595,052
35-44	327,459	14.1%	179,320	14.7%	25,042	15.1%	9,538	14.9%	22,830	19.5%	5,166	9.2%	569,355
45-54	359,644	15.5%	108,396	8.9%	21,352	12.8%	6,721	10.5%	15,913	13.6%	4,237	7.6%	516,263
55-64	306,573	13.2%	56,119	4.6%	12,748	7.7%	3,877	6.0%	10,499	8.9%	2,708	4.8%	392,524
65-74	194,624	8.4%	25,598	2.1%	6,640	4.0%	1,747	2.7%	5,709	4.9%	1,481	2.6%	235,799
75-84	130,527	5.6%	11,646	1.0%	3,142	1.9%	775	1.2%	2,721	2.3%	632	1.1%	149,443
85+	59,202	2.5%	4,084	0.3%	1,117	0.7%	318	0.5%	843	0.7%	225	0.4%	65,789
Total	2,326,566		1,224,005		166,385		64,227		117,325		56,090		3,954,598

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2008.

Maricopa County Population Statistics

Table 1.02 Population By Race/Ethnicity, Age, and Gender, 2008

Females Age	White		Hispanic		African American		American Indian		Asian		Other/2+ Races	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
	0-4	64,340	5.5%	78,118	13.5%	7,537	9.2%	3,413	10.2%	4,481	7.4%	4,602
5-9	63,782	5.4%	66,403	11.5%	7,417	9.1%	2,973	8.9%	4,014	6.6%	3,984	14.2%
10-14	63,318	5.4%	56,979	9.9%	7,011	8.6%	2,538	7.6%	3,772	6.2%	3,431	12.2%
15-19	64,819	5.5%	48,049	8.3%	6,571	8.1%	2,932	8.8%	2,977	4.9%	2,597	9.2%
20-24	62,855	5.3%	40,249	7.0%	5,720	7.0%	2,843	8.5%	2,783	4.6%	2,028	7.2%
25-29	73,199	6.2%	51,545	8.9%	6,289	7.7%	3,313	9.9%	4,823	7.9%	2,139	7.6%
30-34	69,241	5.9%	52,881	9.1%	5,772	7.1%	3,062	9.1%	6,250	10.3%	1,618	5.8%
35-39	79,100	6.7%	45,253	7.8%	6,308	7.7%	2,574	7.7%	6,518	10.7%	1,444	5.1%
40-44	82,316	7.0%	36,323	6.3%	5,854	7.2%	2,242	6.7%	5,353	8.8%	1,239	4.4%
45-49	93,113	7.9%	29,464	5.1%	5,650	6.9%	2,090	6.2%	4,538	7.4%	1,156	4.1%
50-54	89,463	7.6%	22,088	3.8%	4,678	5.7%	1,634	4.9%	4,114	6.7%	1,085	3.9%
55-59	84,525	7.2%	16,347	2.8%	3,855	4.7%	1,288	3.8%	3,491	5.7%	813	2.9%
60-64	75,518	6.4%	11,662	2.0%	2,697	3.3%	857	2.6%	2,540	4.2%	665	2.4%
65-69	58,621	5.0%	8,005	1.4%	2,096	2.6%	604	1.8%	1,797	2.9%	510	1.8%
70-74	44,305	3.8%	5,585	1.0%	1,489	1.8%	440	1.3%	1,366	2.2%	301	1.1%
75+	110,683	9.4%	9,387	1.6%	2,586	3.2%	666	2.0%	2,148	3.5%	514	1.8%
Total	1,179,198		578,338		81,530		33,469		60,965		28,126	
Males												
0-4	67,417	5.9%	81,819	12.7%	7,718	9.1%	3,392	11.0%	4,698	8.3%	4,780	17.1%
5-9	66,730	5.8%	69,069	10.7%	7,509	8.8%	3,004	9.8%	4,047	7.2%	4,326	15.5%
10-14	66,753	5.8%	59,901	9.3%	7,127	8.4%	2,653	8.6%	3,786	6.7%	3,592	12.8%
15-19	68,953	6.0%	52,626	8.2%	7,467	8.8%	2,868	9.3%	3,252	5.8%	2,789	10.0%
20-24	68,853	6.0%	47,800	7.4%	6,701	7.9%	2,674	8.7%	3,186	5.7%	2,347	8.4%
25-29	77,688	6.8%	66,787	10.3%	7,246	8.5%	2,908	9.5%	4,787	8.5%	2,008	7.2%
30-34	70,589	6.2%	66,616	10.3%	6,259	7.4%	2,678	8.7%	5,954	10.6%	1,400	5.0%
35-39	82,070	7.2%	54,394	8.4%	6,591	7.8%	2,507	8.2%	6,251	11.1%	1,374	4.9%
40-44	83,973	7.3%	43,350	6.7%	6,289	7.4%	2,215	7.2%	4,708	8.4%	1,109	4.0%
45-49	91,395	8.0%	33,255	5.2%	6,231	7.3%	1,717	5.6%	3,967	7.0%	1,126	4.0%
50-54	85,673	7.5%	23,589	3.7%	4,793	5.6%	1,280	4.2%	3,294	5.8%	870	3.1%
55-59	77,181	6.7%	16,684	2.6%	3,578	4.2%	1,031	3.4%	2,611	4.6%	700	2.5%
60-64	69,349	6.0%	11,426	1.8%	2,618	3.1%	701	2.3%	1,857	3.3%	530	1.9%
65-69	52,957	4.6%	7,321	1.1%	1,800	2.1%	430	1.4%	1,447	2.6%	410	1.5%
70-74	38,741	3.4%	4,687	0.7%	1,255	1.5%	273	0.9%	1,099	1.9%	260	0.9%
75+	79,046	6.9%	6,343	1.0%	1,673	2.0%	427	1.4%	1,416	2.5%	343	1.2%
Total	1,147,368		645,667		84,855		30,758		56,360		27,964	

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2008.

Maricopa County Population Statistics

Table 1.03 Population By Race/Ethnicity, Age, and Sex, 2007

Age by Sex

Age	Males		Females		Total	
	No.	%	No.	%	No.	%
0-4	165,885	8.5%	159,198	8.3%	325,083	8.4%
5-9	149,559	7.7%	143,020	7.5%	292,579	7.6%
10-14	142,069	7.3%	135,636	7.1%	277,705	7.2%
15-19	134,153	6.9%	124,607	6.5%	258,760	6.7%
20-24	131,194	6.7%	115,097	6.0%	246,291	6.4%
25-34	311,810	16.0%	278,718	14.5%	590,528	15.3%
35-44	290,944	14.9%	272,052	14.2%	562,996	14.6%
45-54	248,540	12.8%	251,633	13.1%	500,173	12.9%
55-64	181,432	9.3%	197,186	10.3%	378,618	9.8%
65-74	104,023	5.3%	117,843	6.1%	221,866	5.7%
75-84	64,175	3.3%	84,172	4.4%	148,347	3.8%
85+	22,766	1.2%	39,336	2.1%	62,102	1.6%
Total	1,946,550		1,918,498		3,865,048	

Race/Ethnicity by Sex

Race/Ethnicity	Males		Females	
	No.	%	No.	%
White	1,136,220	58.4%	1,168,563	60.9%
Hispanic	618,468	31.8%	554,169	28.9%
African American	80,984	4.2%	77,711	4.1%
American Indian	30,332	1.6%	32,966	1.7%
Asian	53,712	2.8%	58,253	3.0%
Other/2+ Races	26,834	1.4%	26,836	1.4%
Total	1,946,550		1,918,498	

Age by Race/Ethnicity

Age	White		Hispanic		African American		American Indian		Asian		Other/2+ Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
0-4	131,593	5.7%	153,741	13.1%	14,860	9.4%	6,942	11.0%	8,769	7.8%	9,178	17.1%	325,083
5-9	129,075	5.6%	128,274	10.9%	13,953	8.8%	5,760	9.1%	7,594	6.8%	7,923	14.8%	292,579
10-14	131,064	5.7%	113,807	9.7%	13,712	8.6%	5,278	8.3%	7,207	6.4%	6,637	12.4%	277,705
15-19	133,683	5.8%	94,869	8.1%	13,327	8.4%	5,768	9.1%	5,955	5.3%	5,158	9.6%	258,760
20-24	131,237	5.7%	87,418	7.5%	11,991	7.6%	5,465	8.6%	5,977	5.3%	4,203	7.8%	246,291
25-34	291,612	12.7%	233,724	19.9%	24,374	15.4%	12,055	19.0%	21,981	19.6%	6,782	12.6%	590,528
35-44	333,435	14.5%	169,640	14.5%	24,262	15.3%	9,289	14.7%	21,314	19.0%	5,056	9.4%	562,996
45-54	353,378	15.3%	100,995	8.6%	20,231	12.7%	6,478	10.2%	15,068	13.5%	4,023	7.5%	500,173
55-64	298,840	13.0%	52,100	4.4%	11,840	7.5%	3,665	5.8%	9,616	8.6%	2,557	4.8%	378,618
65-74	184,018	8.0%	23,491	2.0%	6,171	3.9%	1,584	2.5%	5,269	4.7%	1,333	2.5%	221,866
75-84	130,663	5.7%	10,911	0.9%	2,962	1.9%	734	1.2%	2,458	2.2%	619	1.2%	148,347
85+	56,185	2.4%	3,667	0.3%	1,012	0.6%	280	0.4%	757	0.7%	201	0.4%	62,102
Total	2,304,783		1,172,637		158,695		63,298		111,965		53,670		3,865,048

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2007.

Maricopa County Population Statistics

Table 1.04 Population By Race/Ethnicity, Age, and Gender, 2007

Females Age	White		Hispanic		African American		American Indian		Asian		Other/2+ Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
0-4	64,233	5.5%	75,337	13.6%	7,400	9.5%	3,514	10.7%	4,240	7.3%	4,474	16.7%	159,198
5-9	62,993	5.4%	62,694	11.3%	6,887	8.9%	2,836	8.6%	3,823	6.6%	3,787	14.1%	143,020
10-14	63,824	5.5%	55,576	10.0%	6,787	8.7%	2,569	7.8%	3,624	6.2%	3,256	12.1%	135,636
15-19	64,862	5.6%	45,311	8.2%	6,225	8.0%	2,920	8.9%	2,811	4.8%	2,478	9.2%	124,607
20-24	62,500	5.3%	39,537	7.1%	5,495	7.1%	2,812	8.5%	2,793	4.8%	1,960	7.3%	115,097
25-29	73,663	6.3%	52,199	9.4%	5,922	7.6%	3,440	10.4%	4,869	8.4%	2,026	7.5%	142,119
30-34	69,460	5.9%	50,714	9.2%	5,618	7.2%	2,977	9.0%	6,300	10.8%	1,530	5.7%	136,599
35-39	79,925	6.8%	42,919	7.7%	6,037	7.8%	2,436	7.4%	6,083	10.4%	1,367	5.1%	138,767
40-44	84,808	7.3%	34,192	6.2%	5,734	7.4%	2,290	6.9%	5,029	8.6%	1,232	4.6%	133,285
45-49	92,804	7.9%	27,814	5.0%	5,422	7.0%	2,022	6.1%	4,372	7.5%	1,115	4.2%	133,549
50-54	86,616	7.4%	20,635	3.7%	4,374	5.6%	1,575	4.8%	3,874	6.7%	1,010	3.8%	118,084
55-59	84,507	7.2%	15,255	2.8%	3,563	4.6%	1,232	3.7%	3,250	5.6%	755	2.8%	108,562
60-64	71,587	6.1%	10,752	1.9%	2,515	3.2%	793	2.4%	2,338	4.0%	639	2.4%	88,624
65-69	54,328	4.6%	7,240	1.3%	1,885	2.4%	553	1.7%	1,667	2.9%	454	1.7%	66,127
70-74	43,081	3.7%	5,308	1.0%	1,437	1.8%	382	1.2%	1,238	2.1%	270	1.0%	51,716
75+	109,372	9.4%	8,686	1.6%	2,410	3.1%	615	1.9%	1,942	3.3%	483	1.8%	123,508
Total	1,168,563		554,169		77,711		32,966		58,253		26,836		1,918,498
Males													
0-4	67,360	5.9%	78,404	12.7%	7,460	9.2%	3,428	11.3%	4,529	8.4%	4,704	17.5%	165,885
5-9	66,082	5.8%	65,580	10.6%	7,066	8.7%	2,924	9.6%	3,771	7.0%	4,136	15.4%	149,559
10-14	67,240	5.9%	58,231	9.4%	6,925	8.6%	2,709	8.9%	3,583	6.7%	3,381	12.6%	142,069
15-19	68,821	6.1%	49,558	8.0%	7,102	8.8%	2,848	9.4%	3,144	5.9%	2,680	10.0%	134,153
20-24	68,737	6.0%	47,881	7.7%	6,496	8.0%	2,653	8.7%	3,184	5.9%	2,243	8.4%	131,194
25-29	76,871	6.8%	67,746	11.0%	6,696	8.3%	2,984	9.8%	4,831	9.0%	1,899	7.1%	161,027
30-34	71,618	6.3%	63,065	10.2%	6,138	7.6%	2,654	8.7%	5,981	11.1%	1,327	4.9%	150,783
35-39	83,106	7.3%	51,562	8.3%	6,281	7.8%	2,419	8.0%	5,819	10.8%	1,319	4.9%	150,506
40-44	85,596	7.5%	40,967	6.6%	6,210	7.7%	2,144	7.1%	4,383	8.2%	1,138	4.2%	140,438
45-49	91,178	8.0%	30,868	5.0%	5,872	7.3%	1,696	5.6%	3,799	7.1%	1,098	4.1%	134,511
50-54	82,780	7.3%	21,678	3.5%	4,563	5.6%	1,185	3.9%	3,023	5.6%	800	3.0%	114,029
55-59	76,966	6.8%	15,647	2.5%	3,360	4.1%	1,000	3.3%	2,352	4.4%	664	2.5%	99,989
60-64	65,780	5.8%	10,446	1.7%	2,402	3.0%	640	2.1%	1,676	3.1%	499	1.9%	81,443
65-69	49,267	4.3%	6,634	1.1%	1,653	2.0%	404	1.3%	1,369	2.5%	364	1.4%	59,691
70-74	37,342	3.3%	4,309	0.7%	1,196	1.5%	245	0.8%	995	1.9%	245	0.9%	44,332
75+	77,476	6.8%	5,892	1.0%	1,564	1.9%	399	1.3%	1,273	2.4%	337	1.3%	86,941
Total	1,136,220		618,468		80,984		30,332		53,712		26,834		1,946,550

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2007.

Maricopa County Population Statistics

Table 1.05 Population By Race/Ethnicity, Age, and Sex, 2006

Age by Sex

Age	Males		Females		Total	
	No.	%	No.	%	No.	%
0-4	160,836	8.5%	154,265	8.2%	315,101	8.4%
5-9	145,071	7.7%	138,275	7.4%	283,346	7.5%
10-14	139,427	7.4%	132,921	7.1%	272,348	7.2%
15-19	130,126	6.9%	120,767	6.5%	250,893	6.7%
20-24	131,628	6.9%	116,048	6.2%	247,676	6.6%
25-34	307,096	16.2%	275,123	14.7%	582,219	15.5%
35-44	286,166	15.1%	268,439	14.4%	554,605	14.7%
45-54	238,356	12.6%	242,873	13.0%	481,229	12.8%
55-64	173,516	9.2%	188,744	10.1%	362,260	9.6%
65-74	99,495	5.2%	112,562	6.0%	212,057	5.6%
75-84	63,054	3.3%	83,682	4.5%	146,736	3.9%
85+	21,060	1.1%	36,931	2.0%	57,991	1.5%
Total	1,895,831		1,870,630		3,766,461	

Race/Ethnicity by Sex

Race/Ethnicity	Males		Females	
	No.	%	No.	%
White	1,125,896	59.4%	1,158,338	61.9%
Hispanic	586,961	31.0%	525,617	28.1%
African American	77,267	4.1%	73,858	3.9%
Amer. Ind., Non-Hisp	29,422	1.6%	32,102	1.7%
Asian	50,707	2.7%	55,109	2.9%
Other/2+ Races	25,578	1.3%	25,606	1.4%
Total	1,895,831		1,870,630	

Age by Race/Ethnicity

Age	White		Hispanic		African American		American Indian		Asian		Other/2+ Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
0-4	131,789	5.8%	145,209	13.1%	14,167	9.4%	6,893	11.2%	8,145	7.7%	8,898	17.4%	315,101
5-9	128,365	5.6%	121,461	10.9%	13,252	8.8%	5,455	8.9%	7,181	6.8%	7,632	14.9%	283,346
10-14	132,298	5.8%	108,483	9.8%	13,331	8.8%	5,280	8.6%	6,695	6.3%	6,261	12.2%	272,348
15-19	133,122	5.8%	89,075	8.0%	12,618	8.3%	5,606	9.1%	5,652	5.3%	4,820	9.4%	250,893
20-24	132,375	5.8%	87,994	7.9%	11,605	7.7%	5,407	8.8%	6,128	5.8%	4,167	8.1%	247,676
25-34	293,249	12.8%	225,829	20.3%	23,300	15.4%	11,817	19.2%	21,615	20.4%	6,409	12.5%	582,219
35-44	338,639	14.8%	158,753	14.3%	23,414	15.5%	9,144	14.9%	19,803	18.7%	4,852	9.5%	554,605
45-54	345,655	15.1%	92,769	8.3%	18,966	12.5%	6,034	9.8%	14,033	13.3%	3,772	7.4%	481,229
55-64	288,734	12.6%	47,897	4.3%	10,969	7.3%	3,420	5.6%	8,832	8.3%	2,408	4.7%	362,260
65-74	177,081	7.8%	21,658	1.9%	5,754	3.8%	1,529	2.5%	4,825	4.6%	1,210	2.4%	212,057
75-84	130,260	5.7%	10,180	0.9%	2,786	1.8%	691	1.1%	2,249	2.1%	570	1.1%	146,736
85+	52,667	2.3%	3,270	0.3%	963	0.6%	248	0.4%	658	0.6%	185	0.4%	57,991
Total	2,284,234		1,112,578		151,125		61,524		105,816		51,184		3,766,461

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2006.

Maricopa County Population Statistics

Table 1.06 Population By Race/Ethnicity, Age, and Gender, 2006

Females Age	White		Hispanic		African American		American Indian		Asian		Other/2+ Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
0-4	64,433	5.6%	71,094	13.5%	7,022	9.5%	3,488	10.9%	3,929	7.1%	4,299	16.8%	154,265
5-9	62,517	5.4%	59,254	11.3%	6,531	8.8%	2,682	8.4%	3,654	6.6%	3,637	14.2%	138,275
10-14	64,353	5.6%	52,955	10.1%	6,593	8.9%	2,616	8.1%	3,330	6.0%	3,074	12.0%	132,921
15-19	64,444	5.6%	42,627	8.1%	5,864	7.9%	2,811	8.8%	2,702	4.9%	2,319	9.1%	120,767
20-24	63,577	5.5%	39,503	7.5%	5,333	7.2%	2,822	8.8%	2,808	5.1%	2,005	7.8%	116,048
25-29	73,183	6.3%	51,122	9.7%	5,572	7.5%	3,446	10.7%	5,032	9.1%	1,882	7.3%	140,237
30-34	70,527	6.1%	48,564	9.2%	5,537	7.5%	2,790	8.7%	5,997	10.9%	1,471	5.7%	134,886
35-39	79,797	6.9%	39,852	7.6%	5,557	7.5%	2,390	7.4%	5,573	10.1%	1,291	5.0%	134,460
40-44	87,473	7.6%	32,489	6.2%	5,674	7.7%	2,331	7.3%	4,790	8.7%	1,222	4.8%	133,979
45-49	91,638	7.9%	25,660	4.9%	5,171	7.0%	1,872	5.8%	4,080	7.4%	1,064	4.2%	129,485
50-54	84,382	7.3%	18,936	3.6%	4,028	5.5%	1,487	4.6%	3,640	6.6%	915	3.6%	113,388
55-59	84,542	7.3%	14,176	2.7%	3,272	4.4%	1,175	3.7%	3,026	5.5%	733	2.9%	106,924
60-64	66,293	5.7%	9,755	1.9%	2,363	3.2%	708	2.2%	2,107	3.8%	594	2.3%	81,820
65-69	51,189	4.4%	6,685	1.3%	1,757	2.4%	557	1.7%	1,547	2.8%	395	1.5%	62,130
70-74	42,454	3.7%	4,933	0.9%	1,302	1.8%	362	1.1%	1,129	2.0%	252	1.0%	50,432
75+	107,536	9.3%	8,012	1.5%	2,282	3.1%	565	1.8%	1,765	3.2%	453	1.8%	120,613
Total	1,158,338		525,617		73,858		32,102		55,109		25,606		1,870,630
Males													
0-4	67,356	6.0%	74,115	12.6%	7,145	9.2%	3,405	11.6%	4,216	8.3%	4,599	18.0%	160,836
5-9	65,848	5.8%	62,207	10.6%	6,721	8.7%	2,773	9.4%	3,527	7.0%	3,995	15.6%	145,071
10-14	67,945	6.0%	55,528	9.5%	6,738	8.7%	2,664	9.1%	3,365	6.6%	3,187	12.5%	139,427
15-19	68,678	6.1%	46,448	7.9%	6,754	8.7%	2,795	9.5%	2,950	5.8%	2,501	9.8%	130,126
20-24	68,798	6.1%	48,491	8.3%	6,272	8.1%	2,585	8.8%	3,320	6.5%	2,162	8.5%	131,628
25-29	76,018	6.8%	66,693	11.4%	6,253	8.1%	3,032	10.3%	4,637	9.1%	1,742	6.8%	158,375
30-34	73,521	6.5%	59,450	10.1%	5,938	7.7%	2,549	8.7%	5,949	11.7%	1,314	5.1%	148,721
35-39	82,956	7.4%	48,143	8.2%	6,020	7.8%	2,330	7.9%	5,252	10.4%	1,234	4.8%	145,935
40-44	88,413	7.9%	38,269	6.5%	6,163	8.0%	2,093	7.1%	4,188	8.3%	1,105	4.3%	140,231
45-49	89,570	8.0%	28,442	4.8%	5,497	7.1%	1,561	5.3%	3,535	7.0%	1,004	3.9%	129,609
50-54	80,065	7.1%	19,731	3.4%	4,270	5.5%	1,114	3.8%	2,778	5.5%	789	3.1%	108,747
55-59	77,124	6.9%	14,524	2.5%	3,164	4.1%	986	3.4%	2,186	4.3%	633	2.5%	98,617
60-64	60,775	5.4%	9,442	1.6%	2,170	2.8%	551	1.9%	1,513	3.0%	448	1.8%	74,899
65-69	46,412	4.1%	6,086	1.0%	1,583	2.0%	385	1.3%	1,287	2.5%	333	1.3%	56,086
70-74	37,026	3.3%	3,954	0.7%	1,112	1.4%	225	0.8%	862	1.7%	230	0.9%	43,409
75+	75,391	6.7%	5,438	0.9%	1,467	1.9%	374	1.3%	1,142	2.3%	302	1.2%	84,114
Total	1,125,896		586,961		77,267		29,422		50,707		25,578		1,895,831

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2006.

Maricopa County Population Statistics
Table 1.07 Population By Race/Ethnicity, Age, and Sex, 2005

Age by Sex

Age	Males		Females		Total	
	No.	%	No.	%	No.	%
0-4	154,872	8.5%	148,773	8.2%	303,645	8.4%
5-9	138,562	7.6%	132,134	7.3%	270,696	7.4%
10-14	135,641	7.4%	129,071	7.1%	264,712	7.3%
15-19	125,223	6.8%	116,089	6.4%	241,312	6.6%
20-24	132,667	7.3%	115,739	6.4%	248,406	6.8%
25-34	297,584	16.3%	269,063	14.9%	566,647	15.6%
35-44	276,144	15.1%	260,479	14.4%	536,623	14.8%
45-54	227,695	12.5%	232,769	12.9%	460,464	12.7%
55-64	163,105	8.9%	177,429	9.8%	340,534	9.4%
65-74	95,587	5.2%	108,524	6.0%	204,111	5.6%
75-84	61,838	3.4%	83,092	4.6%	144,930	4.0%
85+	19,423	1.1%	34,747	1.9%	54,170	1.5%
Total	1,828,341		1,807,909		3,636,250	

Race/Ethnicity by Sex

Race/Ethnicity	Males		Females	
	No.	%	No.	%
White	1,106,092	60.5%	1,139,962	63.1%
Hispanic	551,416	30.2%	493,475	27.3%
African American	72,234	4.0%	69,075	3.8%
American Indian	28,149	1.5%	30,694	1.7%
Asian	46,496	2.5%	50,724	2.8%
Other/2+ Races	23,954	1.3%	23,979	1.3%
Total	1,828,341		1,807,909	

Age by Race/Ethnicity

Age	White		Hispanic		African American		American Indian		Asian		Other/2+ Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
0-4	130,803	5.8%	137,229	13.1%	13,111	9.3%	6,721	11.4%	7,279	7.5%	8,502	17.7%	303,645
5-9	126,393	5.6%	113,405	10.9%	12,159	8.6%	5,029	8.5%	6,551	6.7%	7,159	14.9%	270,696
10-14	132,631	5.9%	102,048	9.8%	12,857	9.1%	5,276	9.0%	6,146	6.3%	5,754	12.0%	264,712
15-19	131,305	5.8%	83,038	7.9%	11,872	8.4%	5,272	9.0%	5,305	5.5%	4,520	9.4%	241,312
20-24	133,062	5.9%	89,129	8.5%	10,883	7.7%	5,456	9.3%	5,935	6.1%	3,941	8.2%	248,406
25-34	293,664	13.1%	213,143	20.4%	21,886	15.5%	11,406	19.4%	20,495	21.1%	6,053	12.6%	566,647
35-44	336,847	15.0%	146,351	14.0%	22,259	15.8%	8,680	14.8%	17,926	18.4%	4,560	9.5%	536,623
45-54	336,010	15.0%	84,875	8.1%	17,671	12.5%	5,658	9.6%	12,785	13.2%	3,465	7.2%	460,464
55-64	273,985	12.2%	43,473	4.2%	9,855	7.0%	3,113	5.3%	7,892	8.1%	2,216	4.6%	340,534
65-74	172,092	7.7%	19,905	1.9%	5,279	3.7%	1,377	2.3%	4,382	4.5%	1,076	2.2%	204,111
75-84	129,817	5.8%	9,389	0.9%	2,601	1.8%	642	1.1%	1,964	2.0%	517	1.1%	144,930
85+	49,445	2.2%	2,906	0.3%	876	0.6%	213	0.4%	560	0.6%	170	0.4%	54,170
Total	2,246,054		1,044,891		141,309		58,843		97,220		47,933		3,636,250

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2005.

Maricopa County Population Statistics

Table 1.08 Population By Race/Ethnicity, Age, and Gender, 2005

Females Age	White		Hispanic		African American		American Indian		Asian		Other/2+ Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
0-4	64,028	5.6%	67,136	13.6%	6,544	9.5%	3,353	10.9%	3,556	7.0%	4,156	17.3%	148,773
5-9	61,679	5.4%	55,291	11.2%	5,985	8.7%	2,487	8.1%	3,346	6.6%	3,346	14.0%	132,134
10-14	64,433	5.7%	49,825	10.1%	6,297	9.1%	2,622	8.5%	3,018	5.9%	2,876	12.0%	129,071
15-19	63,574	5.6%	39,653	8.0%	5,554	8.0%	2,643	8.6%	2,520	5.0%	2,145	8.9%	116,089
20-24	63,468	5.6%	39,516	8.0%	5,130	7.4%	2,862	9.3%	2,828	5.6%	1,935	8.1%	115,739
25-29	71,328	6.3%	48,950	9.9%	5,001	7.2%	3,278	10.7%	4,640	9.1%	1,730	7.2%	134,927
30-34	73,386	6.4%	45,527	9.2%	5,337	7.7%	2,735	8.9%	5,743	11.3%	1,408	5.9%	134,136
35-39	77,574	6.8%	36,676	7.4%	5,330	7.7%	2,212	7.2%	4,982	9.8%	1,172	4.9%	127,946
40-44	89,166	7.8%	30,138	6.1%	5,308	7.7%	2,297	7.5%	4,462	8.8%	1,162	4.8%	132,533
45-49	88,949	7.8%	23,557	4.8%	4,762	6.9%	1,744	5.7%	3,799	7.5%	1,006	4.2%	123,817
50-54	82,229	7.2%	17,307	3.5%	3,875	5.6%	1,415	4.6%	3,300	6.5%	826	3.4%	108,952
55-59	79,408	7.0%	12,911	2.6%	2,806	4.1%	1,056	3.4%	2,701	5.3%	677	2.8%	99,559
60-64	63,691	5.6%	8,900	1.8%	2,205	3.2%	670	2.2%	1,851	3.6%	553	2.3%	77,870
65-69	48,962	4.3%	6,126	1.2%	1,626	2.4%	499	1.6%	1,414	2.8%	345	1.4%	58,972
70-74	42,184	3.7%	4,606	0.9%	1,190	1.7%	310	1.0%	1,041	2.1%	221	0.9%	49,552
75+	105,903	9.3%	7,356	1.5%	2,125	3.1%	511	1.7%	1,523	3.0%	421	1.8%	117,839
Total	1,139,962		493,475		69,075		30,694		50,724		23,979		1,807,909
Males													
0-4	66,775	6.0%	70,093	12.7%	6,567	9.1%	3,368	12.0%	3,723	8.0%	4,346	18.1%	154,872
5-9	64,714	5.9%	58,114	10.5%	6,174	8.5%	2,542	9.0%	3,205	6.9%	3,813	15.9%	138,562
10-14	68,198	6.2%	52,223	9.5%	6,560	9.1%	2,654	9.4%	3,128	6.7%	2,878	12.0%	135,641
15-19	67,731	6.1%	43,385	7.9%	6,318	8.7%	2,629	9.3%	2,785	6.0%	2,375	9.9%	125,223
20-24	69,594	6.3%	49,613	9.0%	5,753	8.0%	2,594	9.2%	3,107	6.7%	2,006	8.4%	132,667
25-29	72,835	6.6%	63,514	11.5%	6,028	8.3%	2,868	10.2%	4,677	10.1%	1,617	6.8%	151,539
30-34	76,115	6.9%	55,152	10.0%	5,520	7.6%	2,525	9.0%	5,435	11.7%	1,298	5.4%	146,045
35-39	80,685	7.3%	44,304	8.0%	5,724	7.9%	2,173	7.7%	4,616	9.9%	1,141	4.8%	138,643
40-44	89,422	8.1%	35,233	6.4%	5,897	8.2%	1,998	7.1%	3,866	8.3%	1,085	4.5%	137,501
45-49	87,436	7.9%	25,914	4.7%	5,141	7.1%	1,424	5.1%	3,176	6.8%	907	3.8%	123,998
50-54	77,396	7.0%	18,097	3.3%	3,893	5.4%	1,075	3.8%	2,510	5.4%	726	3.0%	103,697
55-59	72,951	6.6%	13,106	2.4%	2,871	4.0%	918	3.3%	1,976	4.2%	578	2.4%	92,400
60-64	57,935	5.2%	8,556	1.6%	1,973	2.7%	469	1.7%	1,364	2.9%	408	1.7%	70,705
65-69	44,096	4.0%	5,490	1.0%	1,459	2.0%	368	1.3%	1,164	2.5%	301	1.3%	52,878
70-74	36,850	3.3%	3,683	0.7%	1,004	1.4%	200	0.7%	763	1.6%	209	0.9%	42,709
75+	73,359	6.6%	4,939	0.9%	1,352	1.9%	344	1.2%	1,001	2.2%	266	1.1%	81,261
Total	1,106,092		551,416		72,234		28,149		46,496		23,954		1,828,341

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2005.

Maricopa County Population Statistics
Table 1.09 Population By Race/Ethnicity, Age, and Sex, 2004

Age by Sex

Race/Ethnicity by Sex

Age	Males		Females		Total		Race/Ethnicity	Males		Females	
	No.	%	No.	%	No.	%		No.	%	No.	%
0-4	147,291	8.4%	140,382	8.1%	287,673	8.2%	White	1,079,903	61.5%	1,113,883	64.0%
5-9	133,749	7.6%	127,599	7.3%	261,348	7.5%	Hispanic	516,463	29.4%	462,218	26.6%
10-14	131,439	7.5%	125,146	7.2%	256,585	7.3%	African American	67,784	3.9%	64,601	3.7%
15-19	119,998	6.8%	110,956	6.4%	230,954	6.6%	American Indian	26,888	1.5%	29,291	1.7%
20-24	132,201	7.5%	115,980	6.7%	248,181	7.1%	Asian	42,972	2.4%	46,875	2.7%
25-34	287,736	16.4%	259,750	14.9%	547,486	15.7%	Other/2+ Races	22,269	1.3%	22,306	1.3%
35-44	266,343	15.2%	252,093	14.5%	518,436	14.8%					
45-54	215,288	12.3%	221,918	12.8%	437,206	12.5%					
55-64	151,710	8.6%	165,299	9.5%	317,009	9.1%	Total	1,756,279		1,739,174	
65-74	92,605	5.3%	105,644	6.1%	198,249	5.7%					
75-84	60,162	3.4%	81,512	4.7%	141,674	4.1%					
85+	17,757	1.0%	32,895	1.9%	50,652	1.4%					
Total	1,756,279		1,739,174		3,495,453						

Age by Race/Ethnicity

Age	White		Hispanic		African American		American Indian		Asian		Other/2+ Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
0-4	127,247	5.8%	127,863	13.1%	12,003	9.1%	6,160	11.0%	6,440	7.2%	7,960	17.9%	287,673
5-9	125,165	5.7%	107,030	10.9%	11,429	8.6%	4,922	8.8%	6,163	6.9%	6,639	14.9%	261,348
10-14	132,211	6.0%	95,797	9.8%	12,306	9.3%	5,222	9.3%	5,687	6.3%	5,362	12.0%	256,585
15-19	128,587	5.9%	77,145	7.9%	11,143	8.4%	4,959	8.8%	4,974	5.5%	4,146	9.3%	230,954
20-24	132,364	6.0%	90,442	9.2%	10,464	7.9%	5,499	9.8%	5,719	6.4%	3,693	8.3%	248,181
25-34	290,932	13.3%	199,404	20.4%	20,722	15.7%	10,966	19.5%	19,762	22.0%	5,700	12.8%	547,486
35-44	333,478	15.2%	135,087	13.8%	21,165	16.0%	8,342	14.8%	16,142	18.0%	4,222	9.5%	518,436
45-54	323,519	14.7%	77,177	7.9%	16,192	12.2%	5,290	9.4%	11,807	13.1%	3,221	7.2%	437,206
55-64	257,326	11.7%	39,067	4.0%	8,868	6.7%	2,783	5.0%	6,972	7.8%	1,993	4.5%	317,009
65-74	168,653	7.7%	18,442	1.9%	4,904	3.7%	1,258	2.2%	3,995	4.4%	997	2.2%	198,249
75-84	127,868	5.8%	8,650	0.9%	2,387	1.8%	576	1.0%	1,702	1.9%	491	1.1%	141,674
85+	46,436	2.1%	2,577	0.3%	802	0.6%	202	0.4%	484	0.5%	151	0.3%	50,652
Total	2,193,786		978,681		132,385		56,179		89,847		44,575		3,495,453

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2004.

Maricopa County Population Statistics

Table 1.10 Population By Race/Ethnicity, Age, and Gender, 2004

Females Age	White		Hispanic		African American		American Indian		Asian		Other/2+ Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
	0-4	62,149	5.6%	62,240	13.5%	5,881	9.1%	3,073	10.5%	3,199	6.8%	3,840	17.2%
5-9	60,910	5.5%	52,281	11.3%	5,691	8.8%	2,419	8.3%	3,132	6.7%	3,166	14.2%	127,599
10-14	64,247	5.8%	46,856	10.1%	6,006	9.3%	2,606	8.9%	2,780	5.9%	2,651	11.9%	125,146
15-19	62,238	5.6%	36,721	7.9%	5,165	8.0%	2,480	8.5%	2,385	5.1%	1,967	8.8%	110,956
20-24	63,875	5.7%	39,809	8.6%	5,016	7.8%	2,838	9.7%	2,607	5.6%	1,835	8.2%	115,980
25-29	67,785	6.1%	46,445	10.0%	4,609	7.1%	3,134	10.7%	4,700	10.0%	1,615	7.2%	128,288
30-34	74,723	6.7%	42,224	9.1%	5,124	7.9%	2,719	9.3%	5,364	11.4%	1,308	5.9%	131,462
35-39	76,450	6.9%	33,828	7.3%	4,984	7.7%	2,103	7.2%	4,453	9.5%	1,112	5.0%	122,930
40-44	88,700	8.0%	28,043	6.1%	5,096	7.9%	2,252	7.7%	4,033	8.6%	1,039	4.7%	129,163
45-49	86,124	7.7%	21,365	4.6%	4,379	6.8%	1,599	5.5%	3,533	7.5%	979	4.4%	117,979
50-54	79,351	7.1%	15,898	3.4%	3,558	5.5%	1,309	4.5%	3,074	6.6%	749	3.4%	103,939
55-59	74,222	6.7%	11,707	2.5%	2,530	3.9%	943	3.2%	2,378	5.1%	628	2.8%	92,408
60-64	60,155	5.4%	8,022	1.7%	1,974	3.1%	609	2.1%	1,640	3.5%	491	2.2%	72,891
65-69	47,011	4.2%	5,785	1.3%	1,477	2.3%	463	1.6%	1,310	2.8%	323	1.4%	56,369
70-74	42,422	3.8%	4,268	0.9%	1,143	1.8%	271	0.9%	961	2.1%	210	0.9%	49,275
75+	103,521	9.3%	6,726	1.5%	1,968	3.0%	473	1.6%	1,326	2.8%	393	1.8%	114,407
Total	1,113,883		462,218		64,601		29,291		46,875		22,306		1,739,174
Males													
0-4	65,098	6.0%	65,623	12.7%	6,122	9.0%	3,087	11.5%	3,241	7.5%	4,120	18.5%	147,291
5-9	64,255	6.0%	54,749	10.6%	5,738	8.5%	2,503	9.3%	3,031	7.1%	3,473	15.6%	133,749
10-14	67,964	6.3%	48,941	9.5%	6,300	9.3%	2,616	9.7%	2,907	6.8%	2,711	12.2%	131,439
15-19	66,349	6.1%	40,424	7.8%	5,978	8.8%	2,479	9.2%	2,589	6.0%	2,179	9.8%	119,998
20-24	68,489	6.3%	50,633	9.8%	5,448	8.0%	2,661	9.9%	3,112	7.2%	1,858	8.3%	132,201
25-29	70,395	6.5%	60,024	11.6%	5,370	7.9%	2,700	10.0%	4,395	10.2%	1,485	6.7%	144,369
30-34	78,029	7.2%	50,711	9.8%	5,619	8.3%	2,413	9.0%	5,303	12.3%	1,292	5.8%	143,367
35-39	79,267	7.3%	41,050	7.9%	5,376	7.9%	2,138	8.0%	4,092	9.5%	1,016	4.6%	132,939
40-44	89,061	8.2%	32,166	6.2%	5,709	8.4%	1,849	6.9%	3,564	8.3%	1,055	4.7%	133,404
45-49	83,896	7.8%	23,407	4.5%	4,665	6.9%	1,349	5.0%	2,889	6.7%	843	3.8%	117,049
50-54	74,148	6.9%	16,507	3.2%	3,590	5.3%	1,033	3.8%	2,311	5.4%	650	2.9%	98,239
55-59	68,460	6.3%	11,684	2.3%	2,587	3.8%	779	2.9%	1,709	4.0%	500	2.2%	85,719
60-64	54,489	5.0%	7,654	1.5%	1,777	2.6%	452	1.7%	1,245	2.9%	374	1.7%	65,991
65-69	42,490	3.9%	4,968	1.0%	1,366	2.0%	329	1.2%	1,023	2.4%	281	1.3%	50,457
70-74	36,730	3.4%	3,421	0.7%	918	1.4%	195	0.7%	701	1.6%	183	0.8%	42,148
75+	70,783	6.6%	4,501	0.9%	1,221	1.8%	305	1.1%	860	2.0%	249	1.1%	77,919
Total	1,079,903		516,463		67,784		26,888		42,972		22,269		1,756,279

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2004.

Maricopa County Population Statistics

Table 1.11 Maricopa County, Phoenix, and Arizona Population 1980-2008

Year	City of Phoenix	Maricopa County	State of Arizona	Source
1980	789,704	1,509,175	2,726,100	1980 U.S. Census
1984	NA	1,726,398	3,032,400	DES Estimate
1985	NA	1,837,912	3,162,900	1985 Special Census
1986	NA	1,909,998	3,291,600	DES Estimate
1987	NA	1,976,600	3,459,900	DES Estimate
1988	940,662	2,032,000	3,538,400	DES Estimate
1989	968,258	2,089,900	3,617,300	DES Estimate
1990	983,403	2,122,101	3,680,800	1990 U.S. Census
1991	1,005,600	2,181,950	3,767,000	DES Estimate
1992	1,020,285	2,233,700	3,858,850	DES Estimate
1993	1,035,560	2,285,200	3,958,875	DES Estimate
1994	1,059,585	2,338,263	4,071,650	DES Estimate
1995	1,098,684	2,551,765	4,228,900	1995 Special Census
1996	1,149,717	2,634,625	4,462,300	DES Estimate
1997	1,205,285	2,720,576	4,600,275	DES Estimate
1998	1,238,120	2,803,320	4,764,025	DES Estimate
1999	1,263,895	2,879,492	4,924,350	DES Estimate
2000	1,321,045	3,072,149	5,130,632	2000 U.S. Census
2001	1,347,223	3,199,440	5,303,632	U.S. Census Estimate
2002	1,369,860	3,296,790	5,449,195	U.S. Census Estimate
2003	1,390,122	3,386,847	5,585,512	U.S. Census Estimate
2004	1,420,476	3,495,453	5,750,475	U.S. Census Estimate
2005	1,465,336	3,636,250	5,961,239	U.S. Census Estimate
2006	1,506,187	3,766,461	6,178,251	U.S. Census Estimate
2007	1,534,740	3,865,048	6,353,421	U.S. Census Estimate
2008	1,567,924	3,954,598	6,500,180	U.S. Census Estimate

II. Maricopa County Five-Year Health Trends

Maricopa County Five-Year Health Trends

**Table 2.01a Selected Underlying Causes of Death 2004-2008,
Number of Deaths**

Cause		2004	2005	2006	2007	2008	
Infectious Diseases	Tuberculosis	7	6	10	5	5	
	Syphilis	0	0	0	0	0	
	HIV	108	93	89	71	74	
Cancer	Stomach	113	110	92	99	109	
	Colon	500	514	480	506	474	
	Pancreas	298	319	295	345	344	
	Lung	1,371	1,352	1,432	1,370	1,333	
	Breast	379	356	427	395	426	
	Uterine & Ovarian	257	247	220	251	241	
	Prostate	276	293	270	288	304	
	Urinary	275	276	278	265	249	
	Lymphoma	195	220	212	201	242	
	Leukemia	201	207	230	234	218	
	Other Cancer	1,303	1,283	1,302	1,369	1,344	
	All Cancer	5,168	5,177	5,238	5,323	5,284	
	Diabetes and Alzheimer's	Diabetes	604	597	624	583	623
Alzheimer's		1,113	1,246	1,445	1,454	1,458	
Major Cardio-vascular Diseases	Heart Disease	Hypertensive Heart Disease	318	345	368	432	385
		Ischemic Heart Disease	4,655	4,849	4,523	4,138	4,249
		Other Heart Disease	802	817	828	947	838
		All Heart Disease	5,775	6,011	5,719	5,517	5,472
	Other Cardio-vascular	Primary Hypertension	265	264	283	229	326
		Cerebrovascular	1,350	1,270	1,217	1,114	1,118
		Atherosclerosis	128	171	76	60	87
		Other Circulatory	220	200	175	208	188
		All Other Cardiovascular	1,963	1,905	1,751	1,611	1,719
		Other Respiratory Diseases	Influenza & Pneumonia	582	715	623	456
	Chronic Lower Respiratory	1,318	1,506	1,484	1,407	1,504	
GI & Urinary	Peptic Ulcer	36	43	43	33	25	
	Liver Disease	320	377	357	356	382	
	Nephritis	257	212	217	214	173	
Pregnancy & Early Life	Pregnancy	2	6	5	6	6	
	Perinatal Conditions	196	181	206	197	183	
	Congenital Malformations	144	123	153	141	133	
	SIDS	8	14	21	22	22	
Other Diseases	Symptoms, Signs	412	511	584	572	447	
	Other Diseases	3,218	3,574	3,864	3,770	3,690	
External Causes	Motor Vehicle Collisions ¹	537	587	643	505	427	
	All Other Accidents	907	1,098	1,162	1,190	1,253	
	Suicide	458	486	498	551	535	
	Homicide	307	331	355	329	277	
	Other External Causes	56	92	84	80	69	
	All External Causes	2,265	2,594	2,742	2,655	2,561	
Unknown		36	6	1	16	1	
Total		23,532	24,897	25,176	24,409	24,301	

Note: The number of cases for the Selected Underlying Causes of Death may differ from the numbers reported by ADHS. See Technical Notes for further explanation.

¹ Refer to the Technical Notes for an explanation of the sharp changes in these causes of death over time

Maricopa County Five-Year Health Trends

Table 2.01b Selected Underlying Causes of Death, 2004-2008
Crude Death Rate per 100,000 Residents

Cause		2004	2005	2006	2007	2008	
Infectious Diseases	Tuberculosis	0.2	0.2	0.3	0.1	0.1	
	Syphilis	0	0	0	0	0	
	HIV	3.1	2.6	2.4	1.8	1.9	
Cancer	Stomach	3.2	3.0	2.4	2.6	2.8	
	Colon	14.3	14.1	12.7	13.1	12.0	
	Pancreas	8.5	8.8	7.8	8.9	8.7	
	Lung	39.2	37.2	38.0	35.4	33.7	
	Breast	10.8	9.8	11.3	10.2	10.8	
	Uterine & Ovarian ¹	14.8	13.7	11.8	13.1	12.3	
	Prostate ¹	15.7	16.0	14.2	14.8	15.3	
	Urinary	7.9	7.6	7.4	6.9	6.3	
	Lymphoma	5.6	6.1	5.6	5.2	6.1	
	Leukemia	5.8	5.7	6.1	6.1	5.5	
	Other Cancer	37.3	35.3	34.6	35.4	34.0	
	All Cancer	147.8	142.4	139.1	137.7	133.6	
	Diabetes and Alzheimer's	Diabetes	17.3	16.4	16.6	15.1	15.8
		Alzheimer's	31.8	34.3	38.4	37.6	36.9
Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Disease	9.1	9.5	9.8	11.2	9.7
		Ischemic Heart Disease	133.2	133.4	120.1	107.1	107.4
		Other Heart Disease	22.9	22.5	22.0	24.5	21.2
		All Heart Disease	165.2	165.3	151.8	142.7	138.4
	Other Cardiovascular	Primary Hypertension	7.6	7.3	7.5	5.9	8.2
		Cerebrovascular	38.6	34.9	32.3	28.8	28.3
		Atherosclerosis	3.7	4.7	2.0	1.6	2.2
		Other Circulatory	6.3	5.5	4.6	5.4	4.8
		All Other Cardiovascular	56.2	52.4	46.5	41.7	43.5
		Other Respiratory Diseases	Influenza & Pneumonia	16.7	19.7	16.5	11.8
	Chronic Lower Respiratory	37.7	41.4	39.4	36.4	38.0	
GI & Urinary	Peptic Ulcer	1.0	1.2	1.1	0.9	0.6	
	Liver Disease	9.2	10.4	9.5	9.2	9.7	
	Nephritis	7.4	5.8	5.8	5.5	4.4	
Pregnancy & Early Life	Pregnancy ¹	0.1	0.3	0.3	0.3	0.3	
	Perinatal Conditions	5.6	5.0	5.5	5.1	4.6	
	Congenital Malformations	4.1	3.4	4.1	3.6	3.4	
	SIDS ²	0.1	0.2	0.3	0.3	0.4	
Other Diseases	Symptoms, Signs	11.8	14.1	15.5	14.8	11.3	
	Other Diseases	92.1	98.3	102.6	97.5	93.3	
External Causes	Motor Vehicle Collisions ³	15.4	16.1	17.1	13.1	10.8	
	All Other Accidents	25.9	30.2	30.9	30.8	31.7	
	Suicide	13.1	13.4	13.2	14.3	13.5	
	Homicide	8.8	9.1	9.4	8.5	7.0	
	Other External Causes	1.6	2.5	2.2	2.1	1.7	
	All External Causes	64.8	71.3	72.8	68.7	64.8	
Unknown		1.0	0.2	0.0	0.4	0.0	
Total		673.2	684.7	668.4	631.5	614.5	

Note: The rates for the Selected Underlying Causes of Death may differ from the rates reported by ADHS. See Technical Notes for further explanation

¹ Uterine & ovarian cancer and pregnancy rates are per 100,000 females; prostate cancer rates are per 100,000 males.

² Sudden Infant Death Syndrome (SIDS) rates are per 1,000 live births.

³ Refer to the Technical Notes for an explanation of the sharp changes in these causes of death over time

Maricopa County Five-Year Health Trends

**Table 2.02a Other Selected Underlying Causes of Death 2004-2008,
Number of Deaths**

Cause		2004	2005	2006	2007	2008
Infectious Diseases	<i>Clostridium difficile</i>	43	40	77	87	75
	Other Intestinal Infections	2	4	0	6	10
	Septicemia	219	258	307	308	180
	Viral Hepatitis	79	83	133	78	103
	Coccidioidomycosis	20	19	23	20	9
	Other Mycoses	15	18	24	17	17
Cancer	Brain	141	162	149	133	135
	Lip and Oral	67	72	63	66	69
	Skin (Melanoma)	90	94	99	101	98
	Ovarian	167	149	144	168	130
	Testicular	5	5	0	5	5
Other Diseases	Anemias	28	26	21	30	19
	Nutritional Deficiencies	13	14	9	10	12
	Obesity	39	46	52	49	39
	Mental & Behavioral Disorders Due to the Use of Alcohol	104	115	96	110	94
	Parkinson's Disease	222	290	269	253	273
	Multiple Sclerosis	35	37	53	43	42
	Epilepsy	19	14	13	13	11
Cardiovascular	Acute Myocardial Infarction (Heart Attack)	1,130	1,168	1,015	958	869
	Congestive Heart Failure	135	149	187	186	138
Chronic Lower Respiratory	Emphysema	232	215	197	148	130
	Asthma	28	38	37	33	20
Liver Disease	Alcoholic Liver Disease	181	223	233	220	259
Musculoskeletal	Rheumatoid Arthritis	17	25	21	20	27
	Lupus	12	20	17	16	14
	Osteoporosis	10	7	6	7	8
Perinatal Conditions & Congenital Malformations	Disorders Related to Short Gestation & Low Birth Weight	61	46	64	61	60
	Congenital Malformations of the Circulatory System	37	38	41	46	35
	Chromosomal Abnormalities	29	21	30	24	32
External Causes	Falls ¹	323	434	441	497	480
	Drowning	66	55	56	53	45
	Unintentional Poisoning ¹	299	327	384	418	458
	Exposure to Excessive Natural Heat	20	46	40	20	23
	Legal Intervention	12	4	6	9	8
	Accidental Discharge of Firearms	5	6	7	6	7
	Discharge of Firearms, Undetermined Intent	5	15	7	11	5
	Complications of Medical & Surgical Care	23	22	35	25	25

Note: The number of cases for the Other Underlying Causes of Death may differ from the numbers reported by ADHS.

See Technical Notes for further explanation

¹ Refer to the Technical Notes for an explanation of the sharp changes in these causes of death over time

Maricopa County Five-Year Health Trends

**Table 2.02b Other Selected Underlying Causes of Death 2004-2008,
Crude Death Rate per 100,000 Residents**

Cause		2004	2005	2006	2007	2008
Infectious Diseases	<i>Clostridium difficile</i>	1.2	1.1	2.0	2.3	1.9
	Other Intestinal Infections	0.1	0.1	0.0	0.2	0.3
	Septicemia	6.3	7.1	8.2	8.0	4.6
	Viral Hepatitis	2.3	2.3	3.5	2.0	2.6
	Coccidioidomycosis	0.6	0.5	0.6	0.5	0.2
	Other Mycoses	0.4	0.5	0.6	0.4	0.4
Cancer	Brain	4.0	4.5	4.0	3.4	3.4
	Lip and Oral	1.9	2.0	1.7	1.7	1.7
	Skin (Melanoma)	2.6	2.6	2.6	2.6	2.5
	Ovarian ¹	9.6	8.2	7.7	8.8	6.6
	Testicular ¹	0.3	0.3	0.0	0.3	0.3
Other Diseases	Anemias	0.8	0.7	0.6	0.8	0.5
	Nutritional Deficiencies	0.4	0.4	0.2	0.3	0.3
	Obesity	1.1	1.3	1.4	1.3	1.0
	Mental & Behavioral Disorders Due to the Use of Alcohol	3.0	3.2	2.5	2.8	2.4
	Parkinson's Disease	6.4	8.0	7.1	6.5	6.9
	Multiple Sclerosis	1.0	1.0	1.4	1.1	1.1
	Epilepsy	0.5	0.4	0.3	0.3	0.3
Cardiovascular	Acute Myocardial Infarction (Heart Attack)	32.3	32.1	26.9	24.8	22.0
	Congestive Heart Failure	3.9	4.1	5.0	4.8	3.5
Chronic Lower Respiratory	Emphysema	6.6	5.9	5.2	3.8	3.3
	Asthma	0.8	1.0	1.0	0.9	0.5
Liver Disease	Alcoholic Liver Disease	5.2	6.1	6.2	5.7	6.5
Musculoskeletal	Rheumatoid Arthritis	0.5	0.7	0.6	0.5	0.7
	Lupus	0.3	0.6	0.5	0.4	0.4
	Osteoporosis	0.3	0.2	0.2	0.2	0.2
Perinatal Conditions & Congenital Malformations	Disorders Related to Short Gestation & Low Birth Weight	1.7	1.3	1.7	1.6	1.5
	Congenital Malformations of the Circulatory System	1.1	1.0	1.1	1.2	0.9
	Chromosomal Abnormalities	0.8	0.6	0.8	0.6	0.8
External Causes	Falls ²	9.2	11.9	11.7	12.9	12.1
	Drowning	1.9	1.5	1.5	1.4	1.1
	Unintentional Poisoning ²	8.6	9.0	10.2	10.8	11.6
	Exposure to Excessive Natural Heat	0.6	1.3	1.1	0.5	0.6
	Legal Intervention	0.3	0.1	0.2	0.2	0.2
	Accidental Discharge of Firearms	0.1	0.2	0.2	0.2	0.2
	Discharge of Firearms, Undetermined Intent	0.1	0.4	0.2	0.3	0.1
	Complications of Medical & Surgical Care	0.7	0.6	0.9	0.6	0.6

Note: The rates for the Other Underlying Causes of Death may differ from the rates reported by ADHS.

See Technical Notes for further explanation

¹ Ovarian cancer rates are per 100,000 females; testicular cancer rates are per 100,000 males.

² Refer to the Technical Notes for an explanation of the sharp changes in these rates over time.

Maricopa County Five-Year Health Trends

**Table 2.03a Firearm, Drug, and Alcohol Induced and Related Deaths 2004-2008
Number of Deaths**

Cause	Year				
	2004	2005	2006	2007	2008
Firearm Induced	506	546	583	550	511
Drug Induced, Including Tobacco	406	470	569	569	571
Drug Related, Including Tobacco	601	739	825	794	813
Drug Related, Excluding Tobacco	443	539	629	662	656
Alcohol Induced	289	353	338	354	386
Alcohol Related	469	530	550	557	595

Note: The number of cases for Maricopa County deaths may differ from the numbers reported by ADHS. See Technical Notes for further explanation

**Table 2.03b Firearm, Drug, and Alcohol Induced and Related Deaths 2004-2008
Crude Death Rate per 100,000 Residents**

Cause	Year				
	2004	2005	2006	2007	2008
Firearm Induced	14.5	15.0	15.5	14.2	12.9
Drug Induced, Including Tobacco	11.6	12.9	15.1	14.7	14.4
Drug Related, Including Tobacco	17.2	20.3	21.9	20.5	20.6
Drug Related, Excluding Tobacco	12.7	14.8	16.7	17.1	16.6
Alcohol Induced	8.3	9.7	9.0	9.2	9.8
Alcohol Related	13.4	14.6	14.6	14.4	15.0

Note: The rates for Maricopa County deaths may differ from the rates reported by ADHS. See Technical Notes for further explanation

Note: Firearm, drug, and alcohol induced and related deaths are also included in other categories, e.g. suicide, homicide or unintentional injuries. Refer to the Technical Notes for a complete explanation of induced versus related deaths involving firearms, drugs, or alcohol.

Maricopa County Five-Year Health Trends

Table 2.04a Number of Confirmed Cases to Residents of Selected Reportable Diseases, 2004-2008

Disease		2004	2005	2006	2007	2008
Vaccine Preventable	<i>H. influenzae</i>	44	60	54	46	56
	Measles	0	1	0	0	0
	Mumps	1	0	3	4	0
	Pertussis	109	248	21	12	20
Central Nervous System	Enceph Viral Other	31	23	15	10	7
	Meningitis Viral/Aseptic	562	722	624	551	571
	Meningococcal Meningitis	9	20	6	6	4
Enterics	Amebiasis	10	11	10	7	7
	Botulism	1	0	4	0	3
	Campylobacteriosis	427	501	432	586	640
	Cholera	0	0	0	1	0
	Cryptosporidiosis	7	9	19	27	71
	<i>E. Coli</i> O157.H7	20	30	42	44	37
	Giardiasis	105	120	66	96	59
	Listeriosis	6	8	7	8	5
	Salmonella Paratyphi	5	0	6	1	5
	Salmonellosis	356	379	432	493	564
	Shigellosis	229	249	381	289	380
	Typhoid	2	4	7	5	2
	Mycosis	Coccidioidomycosis	2,702	2,461	4,209	3,450
Zoonoses/ Vectorborne	Brucellosis	0	2	3	4	2
	Dengue	0	0	8	1	2
	Hantavirus Pulm. Syndrome	0	1	3	0	0
	Lyme Disease	10	7	6	0	2
	Malaria	13	15	18	7	10
	West Nile Virus	355	79	75	52	90
Hepatitides	Hepatitis A	120	68	91	79	70
	Hepatitis B ¹ (Acute)	180	239	265	110	115
	Hepatitis D	0	2	0	0	0
Other	Legionellosis	13	15	25	33	21
	MRSA ²	218	1,109	997	846	915
	Strep Group A	152	168	216	106	112
	Strep Group B (<90 Days)	34	31	39	42	34
	Strep Pneumo Invasive	437	474	569	514	574
	Toxic Shock Syndrome	2	1	0	3	1
	Vibrio spp.	5	13	10	7	12
	Yersiniosis	5	1	11	4	4
	Hansen's Disease	3	1	2	1	0
Tuberculosis		195	186	169	171	171
Sexually Transmitted Diseases	Genital Herpes	817	799	1,213	1,479	969
	Gonorrhea	2,967	2,915	4,000	3,173	2135
	Syphilis – Primary and Secondary	112	123	163	192	234
	Syphilis – All Others	540	421	542	620	650
	Chlamydia	10,677	11,330	14,596	14,544	13,426
	HIV	319	358	389	404	376
	AIDS	335	306	332	348	386
All Others³		17	22	40	48	290
Total		24,862	26,247	33,257	31,596	26,495

¹ 2006 - 2008 figures for Hepatitis B (Acute) include confirmed and probable cases.

² Methicillin-resistant *Staphylococcus Aureus* (MRSA) was not reported to health departments until October 2004.

³ Refer to Technical Notes for an explanation of the sharp changes.

Maricopa County Five-Year Health Trends

Table 2.04b Case Rates per 100,000 Residents for Selected Reportable Diseases, 2004-2008

Disease		2004	2005	2006	2007	2008
Vaccine Preventable	<i>H. influenzae</i>	1.3	1.7	1.4	1.2	1.4
	Measles	0.0	0	0.0	0	0
	Mumps	0.0	0.0	0	0.1	0.0
	Pertussis	3.1	6.8	0.6	0.3	0.5
Central Nervous System	Enceph Viral Other	0.9	0.6	0.4	0.3	0.2
	Meningitis Viral/Aseptic	16.1	19.9	16.6	14.3	14.4
	Meningococcal Meningitis	0.3	0.6	0.2	0.2	0.1
Enterics	Amebiasis	0.3	0.3	0.3	0.2	0.2
	Botulism	0.0	0.0	0	0.0	0
	Campylobacteriosis	12.2	13.8	11.5	15.2	16.2
	Cholera	0.0	0	0	0	0.0
	Cryptosporidiosis	0.2	0.2	0.5	0.7	1.8
	<i>E. Coli</i> O157.H7	0.6	0.8	1.1	1.1	0.9
	Giardiasis	3.0	3.3	1.8	2.5	1.5
	Listeriosis	0.2	0.2	0.2	0.2	0.1
	Salmonella Paratyphi	0.1	0.0	0	0.0	0.1
	Salmonellosis	10.2	10.4	11.5	12.8	14.3
	Shigellosis	6.6	6.8	10.1	7.5	9.6
	Typhoid	0.1	0.1	0.2	0.1	0.1
Mycosis	Coccidioidomycosis	77.3	67.7	111.7	89.3	89.1
Zoonoses/ Vectorborne	Brucellosis	0.0	0	0.1	0.1	0.1
	Dengue	0	0	0.2	0.0	0.1
	Hantavirus Pulm. Syndrome	0	0	0.1	0.0	0
	Lyme Disease	0.3	0.2	0.2	0.0	0
	Malaria	0.4	0.4	0.5	0.2	0.3
	West Nile Virus	10.2	2.2	2.0	1.3	2.3
Hepatitides	Hepatitis A	3.4	1.9	2.4	2.0	1.8
	Hepatitis B (Acute)	5.1	6.6	7.0	2.8	2.9
	Hepatitis D	0	0	0.0	0	0
Other	Legionellosis	0.4	0.4	0.7	0.9	0.5
	MRSA ¹	6.2	30.5	26.5	21.9	23.1
	Strep Group A	4.3	4.6	5.7	2.7	2.8
	Strep Group B ²	0.6	0.5	0.6	0.6	0.5
	Strep Pneumo Invasive	12.5	13.0	15.1	13.3	14.5
	Toxic Shock Syndrome	0.1	0.0	0.0	0	0.0
	Vibrio spp.	0.1	0.4	0.3	0.2	0.3
	Yersiniosis	0.1	0.0	0.3	0.1	0.1
	Hansen's Disease	0.1	0.0	0.1	0.0	0.0
Tuberculosis		5.7	5.3	4.6	4.5	4.4
Sexually Transmitted Diseases	Genital Herpes	23.4	22.0	32.2	38.3	24.5
	Gonorrhea	84.9	80.2	106.2	82.1	54.0
	Syphilis – Primary and Secondary	3.2	3.4	4.3	5.0	5.9
	Syphilis – All Others	15.4	11.6	14.4	16.0	16.4
	Chlamydia	305.5	311.6	387.5	376.3	339.5
	HIV	9.1	9.8	10.3	10.5	9.5
	AIDS	9.6	8.4	8.8	9.0	9.8
All Others³		0.5	0.6	1.1	1.2	7.3
Total		711.3	721.8	883.0	817.5	670.0

¹ Methicillin-resistant *Staphylococcus Aureus* (MRSA) was not reported to health departments until October 2004.

² Rates for Streptococcus Group B Invasive disease in infants <90 days are per 1,000 live births.

³ Refer to the Technical Notes for an explanation of the sharp changes in the rates over time.

Maricopa County Five-Year Health Trends

**Table 2.05a Congenital Syphilis by Race/Ethnicity and Year
Number of Cases, 2004-2008**

Race/Ethnicity	Year				
	2004	2005	2006	2007	2008
White	1	1	1	5	3
Hispanic	11	16	7	12	11
African American	0	3	0	1	2
American Indian	0	2	2	2	3
Asian	0	0	0	0	0
Other/Unknown	0	0	0	0	0
Total	12	22	10	20	19

**Table 2.05b Congenital Syphilis by Race/Ethnicity and Year
Case Rates per 100,000 Live Births, 2004-2008**

Race/Ethnicity	Year				
	2004	2005	2006	2007	2008
White	3.7	3.7	3.5	18.6	11.4
Hispanic	40.1	55.8	23.0	38.4	40.7
African American	0	116.4	0	32.9	61.1
American Indian	0	114.4	103.5	197.0	154.6
Asian	0	0	0	0	0
Other/Unknown	-	-	-	-	-
Total	19.8	35.4	15.1	30.3	30.3

Table 2.06 Hansen's Disease Prevalence

Total number of cases reported in Maricopa County as of December 31, 2008	
Sex	
Male	39
Female	32
Total	71
Age at Diagnosis	
0-9	1
10-14	1
15-19	7
20-24	8
25-34	19
35-44	11
45-54	3
55-64	8
65 and Older	1
Unknown	12
Total	71

This table includes all known cases of Hansen's Disease diagnosed in Maricopa County, including some non-Maricopa County residents. It includes suspect and confirmed cases diagnosed between 1955 and 2008.

Maricopa County Five-Year Health Trends

Table 2.07a Selected Maternal & Child Health Indicators, 2004-2008

Indicator		2004	2005	2006	2007	2008	
Countywide Indicators	Number of Live Births	60,535	62,223	66,162	65,930	62,666	
	Male Infants of Total Live Births	30,971	31,771	33,867	33,829	31,950	
Number of Live Births to Mothers With Selected Risk Factors	Mothers With <12 Years Education	18,662	18,816	19,765	19,707	17,406	
	Births to Women 10-19 Years Old	7,082	7,212	7,904	7,816	7,210	
	Births to Women 15-17 Years Old	2,540	2,582	2,774	2,664	2,548	
	Births to Women Over 35 Years Old	7,339	7,478	8,218	8,372	8,216	
	Births to Never Married Women	24,204	25,574	28,224	29,185	27,656	
	Tobacco Use During Pregnancy	3,145	2,833	2,737	2,495	2,592	
	Alcohol Use During Pregnancy	411	397	334	265	320	
	Mother with Pre-Existing Cardiac Disease	53	99	117	111	127	
	Mother with Pre-Existing Diabetes	1,303	1,713	2,005	2,255	2,563	
	Mothers with No Medical Risk Factors for Pregnancy	45,689	47,616	51,467	49,387	43,933	
Number of Live Births With Selected Risk Factors Associated with Pregnancy	Induced Labor	10,726	12,060	11,185	11,873	13,820	
	Delivery via C-Section	Primary Cesarean Section	8,260	9,030	10,361	10,413	9,804
		Repeat Cesarean Section	6,153	6,826	7,228	7,545	7,722
	Preterm Births (Less than 37 Weeks)	6,816	6,804	7,250	6,991	6,583	
	Hospital Births	60,098	61,837	65,728	65,512	62,300	
	Method of Payment	AHCCCS	30,044	32,242	34,144	34,403	32,972
		IHS	219	212	252	320	267
		Private Insurance	28,264	27,904	29,723	29,238	27,610
		Self	1,421	1,602	1,819	1,695	1,501
	Prenatal Care	None	1,460	1,193	1,382	1,339	944
		1 st Trimester	48,202	50,090	53,160	52,961	52,056
		2 nd Trimester	8,605	9,107	9,628	9,708	8,046
		3 rd Trimester	2,129	1,797	1,949	1,889	1,561
	Number of Prenatal Care Visits	0	1,460	1,193	1,382	1,339	944
		1-4	2,198	2,147	2,287	2,134	1,722
		5-8	8,791	9,859	10,455	10,505	9,315
		9-12	30,114	33,038	33,328	31,834	30,633
13+		17,426	15,932	18,577	20,081	19,986	
Plurality	Singletons	58,691	60,450	64,275	64,065	60,810	
	Twins	1,713	1,684	1,788	1,762	1,748	
Singleton Births Receiving Early & Adequate Prenatal Care ¹		41,925	42,992	45,554	45,626	44,803	
Number of Live Births with Selected Risk Factors Associated with the Neonate	Neonatal Intensive Care	3,312	3,525	3,326	3,365	3,768	
	Infants Transferred to Another Facility ¹	289	346	392	297	350	
	Birthweight	Very Low (<1500g)	735	735	790	818	714
		Low (<2500g)	4,275	4,253	4,638	3,851	3,663
		High (>4250g)	1,878	1,866	2,104	2,064	1,903
	Infants With a Neural Tube Defect ²	11	7	5	11	11	
Infants With Fetal Alcohol Syndrome ²	0	1	0	1	1		

¹ See the technical notes for an explanation of early and adequate prenatal care and infants transferred to another facility.

² Due to the collection method for these data, information is underestimated.

Maricopa County Five-Year Health Trends

Table 2.07b Selected Maternal & Child Health Indicator Percentages, 2004-2008

Indicator		2004	2005	2006	2007	2008	
Countywide Indicators	Number of Live Births	60,535	62,223	66,162	65,930	62,666	
	% Male Infants of Total Live Births	51.2%	51.1%	51.2%	51.3%	51.0%	
	Fertility Rate per 1,000 Women Age 15-44 ¹	81.9	81.7	84.8	83.4	78.4	
Percentage of Live Births to Mothers With Selected Risk Factors	% Mothers With <12 Years Education	30.8%	30.2%	29.9%	29.9%	27.8%	
	% Births to Women 10-19 Years Old	11.7%	11.6%	11.9%	11.9%	11.5%	
	% Births to Women 15-17 Years Old	4.2%	4.1%	4.2%	4.0%	4.1%	
	% Births to Women Over 35 Years Old	12.1%	12.0%	12.4%	12.7%	13.1%	
	% Births to Never Married Women	40.0%	41.1%	42.7%	44.3%	44.1%	
	% Tobacco Use During Pregnancy	5.2%	4.6%	4.1%	3.8%	4.1%	
	% Alcohol Use During Pregnancy	0.7%	0.6%	0.5%	0.4%	0.5%	
	% Mother with Pre-Existing Cardiac Disease	0.1%	0.2%	0.2%	0.2%	0.2%	
	% Mother with Pre-Existing Diabetes	2.2%	2.8%	3.0%	3.4%	4.1%	
	% Mothers with No Medical Risk Factors for Pregnancy	75.5%	76.5%	77.8%	74.9%	70.1%	
Percentage of Live Births With Selected Risk Factors Associated with Pregnancy	% Induced Labor		17.7%	19.4%	16.9%	18.0%	22.1%
	Delivery via C-Section	Primary Cesarean Section	13.6%	14.5%	15.7%	15.8%	15.6%
		Repeat Cesarean Section	10.2%	11.0%	10.9%	11.4%	12.3%
	% Preterm Births (Less than 37 Weeks)		11.3%	10.9%	11.0%	10.6%	10.5%
	% Hospital Births		99.3%	99.4%	99.3%	99.4%	99.4%
	Method of Payment	AHCCCS	49.6%	51.8%	51.6%	52.2%	52.6%
		IHS	0.4%	0.3%	0.4%	0.5%	0.4%
		Private Insurance	46.7%	44.8%	44.9%	44.3%	44.1%
		Self	2.3%	2.6%	2.7%	2.6%	2.4%
	Prenatal Care	None	2.4%	1.9%	2.1%	2.0%	1.5%
		1 st Trimester	79.6%	80.5%	80.3%	80.3%	83.1%
		2 nd Trimester	14.2%	14.6%	14.6%	14.7%	12.8%
		3 rd Trimester	3.5%	2.9%	2.9%	2.9%	2.5%
	Number of Prenatal Care Visits	0	2.4%	1.9%	2.1%	2.0%	1.5%
		1-4	3.6%	3.5%	3.5%	3.2%	2.7%
		5-8	14.5%	15.8%	15.8%	15.9%	14.9%
		9-12	49.7%	53.1%	50.4%	48.3%	48.9%
		13+	28.8%	25.6%	28.1%	30.5%	31.9%
	Plurality	Singletons	97.0%	97.2%	97.1%	97.2%	97.0%
		Twins	2.8%	2.7%	2.7%	2.7%	2.8%
% Singleton Births Receiving Early & Adequate Prenatal Care ²		69.3%	69.1%	68.9%	69.2%	71.5%	
Percentage of Live Births with Selected Risk Factors Associated with the Neonate	Neonatal Intensive Care		5.5%	5.7%	5.0%	5.1%	6.0%
	% Infants Transferred to Another Facility ²		0.5%	0.6%	0.6%	0.5%	0.6%
	Birthweight	Very Low (<1500g)	1.2%	1.2%	1.2%	1.2%	1.1%
		Low (<2500g)	7.1%	6.8%	7.0%	5.8%	5.8%
		High (>4250g)	3.1%	3.0%	3.2%	3.1%	3.0%
% Infants With a Neural Tube Defect ³		0.0%	0.0%	0.0%	0.0%	0.0%	

¹ The annual number of women age 15 to 44 years old was used to compute this rate.

² See the technical notes for an explanation of early and adequate prenatal care and infants transferred to another facility.

³ . Due to the collection method for these data, information is underestimated.

Maricopa County Five-Year Health Trends

Table 2.08 Births by Maternal Indicators for Infant Mortality Rate

Maternal Indicators		2004	2005	2006	2007	2008
Mother's Race	White	26,824	27,047	28,364	26,884	26,317
	Hispanic	27,398	28,649	30,523	31,375	28,724
	African American	2,407	2,578	2,840	3,040	3,134
	American Indian	1,720	1,748	1,933	1,905	1,837
	Asian	1,959	2,020	2,304	2,508	2,444
	Other/Unknown	227	181	198	218	210
Mother's Age	<20	7,082	7,212	7,904	7,816	7,210
	20-29	32,681	33,866	36,090	35,508	33,443
	30-39	19,431	19,848	20,752	21,070	20,613
	40 and Older	1,340	1,296	1,415	1,533	1,397
Mother's Education Level	Less than 6th Grade	1,125	1,084	1,292	1,155	1,011
	6th-11th Grade	17,537	17,732	18,473	18,552	16,395
	High School Diploma	15,677	16,649	18,216	18,258	17,529
	College or Higher	25,308	26,183	27,578	27,161	27,186
	Unknown	888	575	603	804	545
Birthweight	<1,500 Grams	735	735	790	818	714
	1,500-2,499 Grams	3,540	3,518	3,848	3,851	3,663
	2,500-4,249 Grams	54,367	56,099	59,413	59,190	56,383
	>4,249 Grams	1,878	1,866	2,104	2,064	1,903
	Unknown	15	5	7	7	3

Table 2.09a Infant Mortality by Race/Ethnicity of Mother, 2004-2008 (Linked)

Race/Ethnicity of Mother	2004	2005	2006	2007	2008	Total
White	151	155	139	159	144	748
Hispanic	186	172	207	186	142	893
African American	21	21	42	37	51	172
American Indian	11	11	7	10	8	47
Asian	13	13	7	10	28	71
Other/Unknown	4	1	2	0	1	8
Total	386	373	404	402	374	1,939

Table 2.09b Infant Mortality Rates by Race/Ethnicity of Mother, 2004-2008 (Linked) Infant Mortality per 1,000 Live Births

Race/Ethnicity of Mother	2004	2005	2006	2007	2008
White	5.6	5.7	4.9	5.9	5.5
Hispanic	6.8	6.0	6.8	5.9	4.9
African American	8.7	8.1	14.8	12.2	16.3
American Indian	6.4	6.3	3.6	5.2	4.2
Asian	6.6	6.4	3.0	4.0	11.5
Other/Unknown	-	-	-	-	-
Total	6.4	6.0	6.1	6.1	6.0

Note: See Technical Notes at the end of this report for an explanation of linked and unlinked data.

Maricopa County Five-Year Health Trends

Table 2.10a Infant Mortality by Age of Mother, 2004-2008 (Linked)

Age of Mother	2004	2005	2006	2007	2008	Total
<20	67	63	67	52	62	311
20-29	205	208	214	213	187	1,027
30-39	102	89	114	124	109	538
40 and Older	12	13	9	13	16	63
Total	386	373	404	402	374	1,939

Table 2.10b Infant Mortality Rates by Age of Mother, 2004-2008 (Linked) Infant Mortality per 1,000 Live Births

Age of Mother	2004	2005	2006	2007	2008
<20	9.5	8.7	8.5	6.7	8.6
20-29	6.3	6.1	5.9	6.0	5.6
30-39	5.2	4.5	5.5	5.9	5.3
40 and Older	9.0	10.0	6.4	9.8	11.4
Total	6.4	6.0	6.1	6.1	6.0

Table 2.11a Infant Mortality by Educational Level of Mother, 2004-2008 (Linked)

Education Level of Mother	2004	2005	2006	2007	2008	Total
Less Than 6 th Grade	7	9	7	11	9	43
6 th – 11 th Grade	142	125	137	133	103	640
High School Diploma	108	113	127	105	139	592
College or Higher	121	120	128	142	118	629
Unknown	8	6	5	11	5	35
Total	386	373	404	402	374	1,939

Table 2.11b Infant Mortality Rates by Educational Level of Mother, 2004-2008 (Linked) Infant Mortality per 1,000 Live Births

Education Level of Mother	2004	2005	2006	2007	2008
Less Than 6 th Grade	6.2	8.3	5.4	9.5	8.9
6 th – 11 th Grade	8.1	7.0	7.4	7.2	6.3
High School Diploma	6.9	6.8	7.0	5.8	7.9
College or Higher	4.8	4.6	4.6	5.2	4.3
Unknown	9.0	10.4	8.3	13.7	9.2
Total	6.4	6.0	6.1	6.1	6.0

Note: See Technical Notes at the end of this report for an explanation of linked and unlinked data.

Maricopa County Five-Year Health Trends

Table 2.12a Infant Mortality by Birthweight, 2004-2008 (Linked)

Birthweight	2004	2005	2006	2007	2008	Total
<1500 Grams	212	197	215	199	189	1,012
1500-2499 Grams	70	52	54	63	64	303
2500-4249 Grams	103	121	127	136	118	605
>4249 Grams	0	2	3	4	3	12
Unknown	1	1	5	0	0	7
Total	386	373	404	402	374	1,939

Table 2.12b Infant Mortality Rates by Birthweight, 2004-2008 (Linked)
Infant Mortality per 1,000 Live Births

Birthweight	2004	2005	2006	2007	2008
<1500 Grams	288.4	268	272.2	243.3	264.7
1500-2499 Grams	19.8	14.8	14	16.4	17.5
2500-4249 Grams	1.9	2.2	2.1	2.3	2.1
>4249 Grams	0	1.1	1.4	1.9	1.6
Unknown	66.7	200	714.3	0	0
Total	6.4	6.0	6.1	6.1	6.0

Table 2.13 Infant Mortality and Rates by Age of Infant, 2004-2008 (Linked & Unlinked)

Infant Mortality		2004	2005	2006	2007	2008
Linked Data	Neonatal (≤ 28 Days)	271	249	277	286	254
	Postnatal (> 28 Days)	115	124	127	116	120
	Total	386	373	404	402	374
Unlinked Data	Neonatal (≤ 28 Days)	274	253	278	297	257
	Postnatal (> 28 Days)	122	129	128	120	124
	Total	396	382	406	417	381
Infant Mortality Rates per 1,000 Live Births		2004	2005	2006	2007	2008
Linked Data	Neonatal (≤ 28 Days)	4.5	4.0	4.2	4.3	4.1
	Postnatal (> 28 Days)	1.9	2.0	1.9	1.8	1.9
	Total	6.4	6.0	6.1	6.1	6.0
Unlinked Data	Neonatal (≤ 28 Days)	4.5	4.1	4.2	4.5	4.1
	Postnatal (> 28 Days)	2.0	2.1	1.9	1.8	2.0
	Total	6.5	6.1	6.1	6.3	6.1

Note: See Technical Notes at the end of this report for an explanation of linked and unlinked data.

Maricopa County Five-Year Health Trends

**Table 2.14a Infant Mortality by Age of Infant and Race/Ethnicity of Mother, 2004-2008
(Linked)**

Linked Infant Mortality		2004	2005	2006	2007	2008
Neonatal (≤ 28 Days)	White	107	102	101	107	91
	Hispanic	133	123	140	142	101
	African American	14	11	23	23	33
	American Indian	5	4	8	6	5
	Asian	10	8	4	8	24
	Other/Unknown	2	1	1	0	0
	Total	271	249	277	286	254
Postnatal (> 28 Days)	White	44	53	38	52	53
	Hispanic	53	49	63	44	41
	African American	7	10	19	14	18
	American Indian	6	7	3	4	3
	Asian	3	5	3	2	4
	Other/Unknown	2	0	1	0	1
	Total	115	124	127	116	120

**Table 2.14b Infant Mortality Rates by Age of Infant and Race/Ethnicity of Mother,
2004-2008 (Linked) Infant Mortality per 1,000 Live Births**

Linked Infant Mortality		2004	2005	2006	2007	2008
Neonatal (≤ 28 Days)	White	4.0	3.8	3.6	4.0	3.5
	Hispanic	4.9	4.3	4.6	4.5	3.5
	African American	5.8	4.3	8.1	7.6	10.6
	American Indian	2.9	2.3	4.1	3.1	2.6
	Asian	5.1	4.0	1.7	3.2	9.8
	Other/Unknown	-	-	-	-	-
	Total	4.5	4.0	4.2	4.3	4.1
Postnatal (> 28 Days)	White	1.6	2.0	1.3	1.9	2.0
	Hispanic	1.9	1.7	2.1	1.4	1.4
	African American	2.9	3.9	6.7	4.6	5.7
	American Indian	3.5	4.0	1.6	2.1	1.6
	Asian	1.5	2.5	1.3	0.8	1.6
	Other/Unknown	-	-	-	-	-
	Total	1.9	2.0	1.9	1.8	1.9

Note: See Technical Notes at the end of this report for an explanation of linked and unlinked data.

Maricopa County Five-Year Health Trends

Table 2.154a Infant Mortality by Race/Ethnicity of Infant, 2004-2008 (Unlinked)

Race/Ethnicity of Infant	2004	2005	2006	2007	2008	Total
White	141	142	142	132	122	679
Hispanic	210	189	205	229	171	1,004
African American	28	27	43	40	51	189
American Indian	6	10	12	9	8	45
Asian	8	13	4	7	20	52
Other/Unknown	3	1	0	0	2	6
Total	396	382	406	417	374	1,975

Table 2.15b Infant Mortality Rates by Race/Ethnicity of Infant, 2004-2008 (Unlinked)
Infant Mortality per 1,000 Live Births

Race/Ethnicity of Infant	2004	2005	2006	2007	2008
White	5.3	5.2	5.0	4.9	4.6
Hispanic	7.7	6.6	6.7	7.3	6.0
African American	11.6	10.5	15.1	13.2	16.3
American Indian	3.5	5.7	6.2	4.7	4.2
Asian	4.1	6.4	1.7	2.8	8.2
Other/Unknown	-	-	-	-	-
Total	6.5	6.1	6.1	6.3	6.0

Note: See Technical Notes at the end of this report for an explanation of linked and unlinked data.

III. Technical Notes

Population Statistics

Population statistics are shown in Tables 1.01 through 1.11. This report used the most recent U.S. Census data and estimates for population figures at the time of analysis.

- The population for Maricopa County population is from the U.S. Census Bureau, County Population Estimates by Age, Sex, Race and Hispanic Origin for July 1, 2008, released May 14, 2009. This is at <http://www.census.gov/popest/counties/asrh/files/cc-est2008-alldata-04.csv>.
- The population for Arizona is from <http://www.census.gov/popest/states/tables/NST-EST2008-01.csv>
- The population for Phoenix is from <http://www.census.gov/popest/cities/files/SUB-EST2008-4.csv>.

The population estimates used in this report are from the U.S. Census and based on the Census 2000 population. The population for a community, such as Maricopa County, changes as a result of births, deaths, and migration (moving into or out of the location). Although it is relatively easy to measure the change in population due to births and deaths, it is more difficult to measure the change due to migration. Population estimates may underestimate or overestimate the true population. Population estimates have the potential to become less reliable as more times passes from the last census count due to an accumulation of error. Many of the rates shown in this report use population estimates as the denominator (e.g., 50 cases of disease for every 100,000 people). Therefore, the true burden of disease within Maricopa County may be underestimated (if the population estimate over exaggerates the true population) or overestimated (if the population estimate under exaggerates the true population) due to population estimates even though these are the best estimates available.

This report defines “Hispanic” as: all respondents listing Hispanic, either alone or in combination with any race. The Hispanic and American Indian categories in this report are slightly different from previous Maricopa County Health Status Reports. Previously, American Indians who identified their origin as either Hispanic or non-Hispanic were counted as American Indians. In this report, only American Indians who identified their origin as non-Hispanic were placed in the American Indian category. Hence, all individuals whose origin was Hispanic, regardless of race, were placed in the Hispanic group. In order to allow comparisons across years, the same method was used for all years (2004-2008) included in this report. The table below shows how the U.S. Census variables of “origin” and “race” are used for categorization in this report.

Table 3.1 Race/Ethnicity Categories Used in This Report

Category Used in This Report	U.S. Census Code “Race”	U.S. Census Code “Origin”
White	Race=1 (White Alone)	Origin=1 (Non-Hispanic)
African American	Race=2 (Black Alone)	Origin=1 (Non-Hispanic)
American Indian	Race=3 (American Indian or Alaska Native Alone)	Origin=1 (Non-Hispanic)
Asian	Race=4 (Asian Alone) or 5 (Native Hawaiian or Other Pacific Islander Alone)	Origin=1 (Non-Hispanic)
Other/2+ Races	Race=6 (Two or More Races)	Origin=1 (Non-Hispanic)
Hispanic	Race=1,2,3,4,5,6	Origin=2 (Hispanic)

In 2008, the U.S. Census used a new methodology to estimate the race and Hispanic origin of the population. Using birth certificate data from the National Center for Health Statistics (NCHS), the race and Hispanic origin for both the mother and father of the baby were converted to the 1997 Office of Management and Budget (OMB) race categories. From the conversion, the race and Hispanic origin of the child was then calculated. Due to this new methodology, an actual increase in the population for Hispanic origin can be observed, specifically in the under 10 years of age population. For further information please see: <http://www.census.gov/popest/topics/methodology/2008-est-relnotes.pdf>.

Mortality (Death) Statistics

Mortality (death) statistics are shown in Tables **2.01a** through **2.03b**. Any crude death rate can be calculated by taking the number of deaths from any mortality table in this report and dividing it by the appropriate age, sex, race/ethnicity, or total population denominator found in Tables **1.01** through **1.10**. In tables where rates are shown, “0” means there were no cases/deaths in that category. However, when the number “0.0” is shown, it means that there were fewer than .05 deaths per 100,000 residents. By definition, deaths due to SIDS only occur in infants; as a result, these numbers are divided by the number of live births, to produce a rate per 1,000 live births.

All data on mortality statistics are from death certificates included in the Arizona Department of Health Services (ADHS) final annual files. The data presented in this report include Maricopa County residents only. This includes Maricopa County residents who died in Maricopa County and residents who died elsewhere. Non-Maricopa County residents who died in Maricopa County are not included.

In January 2008, ADHS Office of Vital Records implemented a new online death registration system. Maricopa County began entering deaths occurring in Maricopa County on July 1, 2008. Due to unforeseen circumstances, a large number of deaths were misclassified to ICD-10 codes of ‘R00-R99’ (Symptoms, signs, and abnormal findings), including a large proportion coded to a single code of ‘R99’ (Unknown cause of mortality). Unfortunately, this misclassification was not recognized before ADHS published the *Arizona Health Status and Vital Statistics, 2008* report. Because Maricopa County published the 2008 health status reports later, this misclassification was corrected and the MCDPH reports are accurate. Therefore, the numbers and rates in Table 2.01a through Table 2.03b will not match the numbers reported in early printed reports by ADHS. ADHS later corrected the causes of death in the online copy of their annual report. Please see <http://www.azdhs.gov/plan/report/ahs/ahs2008/pdf/misclassification.pdf> for a more detailed explanation of this issue by ADHS Vital Statistician Christopher Mrela.

During the course of routine data review, several deaths each year were identified as being in one county even though their city and ZIP codes indicated that they lived in a different county. For these discrepant cases, final classification in this report was based on the address of the resident. (The address is determined by reviewing the street address, city, county, and ZIP code). One death in 2008 and two deaths that occurred in 2006 were updated with accurate causes of death. In addition, duplicate records were also identified and deleted: one record in 2004 and 5 records in 2005. Therefore, the numbers presented in this report may not precisely match those presented by ADHS in other reports.

For both mortality and morbidity (communicable disease), rates for some racial/ethnic populations such as American Indians, Asians, and African Americans are high compared to other groups. Because these groups have relatively small populations in Maricopa County (under 150,000 residents as shown in Tables **1.01** through **1.10**), these high rates may represent very few deaths/cases. Among small populations, rates are less stable so one case or death can cause a big increase or decrease in the rates. Therefore, it is advisable to examine the actual number of cases or deaths in addition to the rates.

In Table **2.01a**, deaths due to unintentional injury can be found by adding two categories – “motor vehicle collisions” and “all other accidents and adverse effects.” The total for unintentional

injuries in this report is higher than the figure reported by ADHS because deaths from “complications of medical and surgical care” are included in this report. This convention follows the national model for classifying unintentional injuries. “Complications of medical and surgical care” include deaths from medical devices, adverse effects related to correct doses of therapeutic medications, and misadventures to patients during surgical or medical care (ICD-10 Y40-Y84, Y88). Table **2.02a** presents the number of deaths by year meeting the criteria for ‘complications of medical and surgical care.’

Tables **2.05b**, **2.08b**, **2.13b**, and **2.14b** do not provide a rate for the category labeled “Unknown Race/Ethnicity.” Since the U.S. Census Bureau does not report data on people of ‘unknown race/ethnicity,’ there is no denominator to use for calculating the rate.

Tables 2.01a through 2.02b show sharp changes in the number and rates of deaths attributed to unintentional falls, unintentional poisonings, and motor vehicle accidents. These sharp changes have resulted in a shift in the order of leading causes of accidental deaths. Historically, motor vehicle accidents have been the most common, but in 2008 it dropped to the third highest rank for Maricopa County residents. These changes may be artifacts of the mortality specification and coding systems and not real changes in the actual incidence of these events. Causes of death due to external events, as opposed to those intrinsically related to disease processes, are subject to many sources of variability:

- Causes of deaths may be translated into International Classification of Diseases, 10th Revision (ICD-1) codes by different methods
- The medical examiners’ specification of the sequence of the causes of death may change from year to year in systematic, non-random ways
- Changes in NCHS rules regarding the manner, or intentionality, of death may have caused misclassification of intentional injuries such as suicides and as unintentional, or accidental injuries

Further investigation into the reasons for these changes for the other causes of death is ongoing.

Unless otherwise noted, all deaths are attributed to one underlying condition, based on death certificate information, using the rules of the International Classification of Diseases. Causes of death are classified by ICD-10 codes. The codes used for each category are listed in Table **3.2** below.

Table 3.2 ICD-10 Codes Used for This Report

Cause	ICD-10 Codes Used
<i>Clostridium difficile</i>	A04.7
Salmonella & Other Intestinal Infections	A01-A04.6, A04.8-A04.9 A06-A09
Tuberculosis	A16-A19
Septicemia	A40-A41
Syphilis	A50-A53
HIV Disease	B20-B24
Viral Hepatitis	B15-B19
Coccidioidomycosis	B38
Other Mycoses	B35-B37, B39-B49
Malignant Neoplasms (Cancer)	C00-C97
Malignant Neoplasm of the Lip, Oral Cavity, and Pharynx	C00-C14
Malignant Neoplasm of the Stomach	C16
Malignant Neoplasm of the Colon	C18-C21
Malignant Neoplasm of the Pancreas	C25
Malignant Neoplasm of Bronchus, Lung, or Trachea	C33-C34

(Table Continues)

(Table 3.2, Continued)

Malignant Melanoma of Skin	C43
Malignant Neoplasm of the Breast	C50
Malignant Neoplasm of the Uterus, Cervix, Ovary	C53-C56
Malignant Neoplasm of the Ovary	C56
Malignant Neoplasm of the Prostate	C61
Malignant Neoplasm of the Testes	C62
Malignant Neoplasm of Urinary Organs	C64-C68
Malignant Neoplasm of the Meninges, Brain, and Central Nervous System	C70-C72
Non-Hodgkins Lymphoma	C82-C85
Leukemia	C91-C95
Other Malignant Neoplasms	C00-C15, C17, C22-C24, C26-C32, C37-C49, C51-C52, C57-C60, C62-C63, C69-C81, C88, C90, C96-97
Anemias	D56-D64
Diabetes	E10-E14
Nutritional Deficiencies	E40-E64
Obesity	E66
Mental & Behavioral Disorders Due to the Use of Alcohol	F10
Parkinson's Disease	G20-G21
Alzheimer's	G30
Multiple Sclerosis	G35
Epilepsy	G40-G41
Major Cardiovascular Disease	I00-I78
Disease of Heart	I00-I09, I11, I13, I20-I51
Hypertensive Heart Disease	I11, I13
Ischemic Heart Disease	I20-I25
Acute Myocardial Infarction	I21-I22
Other Heart Disease	I00-I09, I26-I51
Congestive Heart Failure	I50
Coronary Heart Disease	I11, I20-I25
Primary Hypertension	I10, I12
Cerebrovascular Diseases	I60-I69
Atherosclerosis	I70
Other Circulatory	I71-I78
Influenza & Pneumonia	J10-J18
Chronic Lower Respiratory	J40-J47
Emphysema	J43
Asthma	J45-J46
Peptic Ulcer	K25-K28
Liver Disease, including chronic liver disease, cirrhosis, alcoholic liver disease, and other chronic liver disease	K70, K73-K74
Alcoholic Liver Disease	K70
Rheumatoid Arthritis	M05-M08
Lupus	M32
Osteoporosis	M80-M81
Nephritis, nephritic syndrome and nephrosis	N00-N07, N17-N19, N25-N27
Pregnancy, childbirth, and the puerperium	O00-O99

(Table Continues)

(Table 3.2, Continued)

Perinatal Conditions	P00-P96
Disorders Related to Short Gestation and Low Birth Weight (LBW)	P07
Congenital Malformations	Q00-Q99
Congenital Malformations of the Circulatory System	Q20-Q28
Chromosomal Abnormalities	Q90-Q99
SIDS (Sudden Infant Death Syndrome)	R95
Ill Defined Disease Conditions (Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified, excluding SIDS)	R00-R94, R96-R99
All Other Diseases	A00-A09, A20-A49, A54-B19, B25-B99, D00-E07, E15-G25, G31-H93, I80-J06, J20-J39, J60-K22, K29-K66, K71-K72, K75-M99, N10-N15N20-N23, N28-N98
Motor Vehicle Collisions	V02-V04, V09.0, V09.2, V12-V14, V19.0 - V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0 V89.2
All Other Accidents & Adverse Effects	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9 V90-X29, X31-X59, Y40-Y86, Y88
Falls	W00-W19
Exposure to Excessive Natural Heat	X30
Accidental Poisoning	X40-X49
Accidental Drowning (Excludes drowning involving water transportation)	W65-W74
Legal Intervention	Y35, Y890
Accidental Discharge of Firearms	W32-W34
Discharge of Firearms, Undetermined Intent	Y22-Y24
Complications of Medical & Surgical Care (Excludes accidental overdose of a drug or drugs administered in error)	Y40-Y84, Y88
Suicide	U03, X60-X84, Y87.0
Homicide	U01-U02, X85-Y09, Y87.1
All Other External Causes	Y10-Y36, Y87.2, Y89
Unknown Causes	No ICD code listed
Firearm Related	W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0
Drug Induced or Related	F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.8, F17.0, F17.3-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, F19.7-F19.9, X40-X44, X60-X64, X85, Y10-Y14
Alcohol Induced or Related	F10, G31.2, G62.1, I42.6, K29.2, K70, R78.0, X45, X65, Y15

Only the underlying cause of death is used for classification in this report. Although other causes may have contributed to death, the underlying cause of death is the cause that began the disease process that resulted in death. The underlying causes of death chosen for this report are based on the 113 selected causes of death reported by NCHS in their annual report. Due to an increase in the number of deaths due to *Clostridium difficile*, NCHS has also added this cause of death to their 113 selected causes of death. A few additional causes of death, like coccidioidomycosis, have been selected due to their importance in Arizona.

Firearm, drug, and alcohol induced deaths are also included in a number of other categories, such as suicide, homicide, unintentional injury, etc. For example, a firearm induced death may also be classified as a suicide, homicide, or "other accident or adverse effect." An alcohol induced death may be attributed to a long or short term effect of alcohol, such as acute alcohol intoxication or alcoholic cardiomyopathy.

Tables **2.03a** and **2.03b** show deaths resulting directly (induced) and indirectly (related) from firearms, drugs, and alcohol. Drugs include prescription medications and illegal substances, regardless of whether use was recreational or medicinal. Tobacco is considered a drug by the National Center for Health Statistics (NCHS). Drug-related deaths are listed both with and without tobacco-related deaths, because tobacco is not often considered to be a drug in the colloquial sense.

Induced deaths refer to cases in which the use of a firearm, drug, or alcohol contributed directly to the cause of death, i.e., death due to an overdose of drugs, or a fatal gunshot injury. Related deaths refer to cases in which the use of a drug or alcohol was listed on the death certificate, but the substance was not necessarily involved in the underlying cause of death, i.e., death due to dehydration resulting from environmental exposure, with chronic drug use noted elsewhere on the certificate.

Related causes of deaths are counted using multiple cause of death (MCD) data supplied by ADHS with the final annual mortality files, beginning in 2004.

Communicable Disease (Morbidity) Statistics

Communicable disease statistics are shown in Tables **2.04a** through **2.06**. Any morbidity rate except for Streptococcal Group B Invasive disease can be calculated by taking the number of cases from any communicable disease table in this report and dividing it by the appropriate age, gender, race/ethnicity, or total population denominator found in Tables **1.01** through **1.10**. Streptococcal Group B Invasive disease is only reportable in infants under 90 days; therefore, these numbers are divided by the number of live births, to produce a rate per 1,000 live births.

The data presented in this report include communicable diseases to residents of Maricopa County. This includes Maricopa County residents who acquired a disease in Maricopa County and residents who acquired a disease elsewhere. Non-Maricopa County residents are not included, even if they acquired a disease in Maricopa County. Other reports or press releases may show different morbidity rates because they include non-residents who acquired disease in Maricopa County or they exclude residents who were exposed outside of the county. For Hansen's disease only, tables include residents from various counties in Arizona, regardless of where the disease was acquired.

All data on communicable diseases are new cases for each specific year from the ADHS final annual data files. There are several exceptions: data on genital herpes, gonorrhea, Chlamydia, syphilis, and Hansen's disease are from MCDPH data files.

In previous Health Status Reports, hepatitis B and West Nile virus data were also obtained from the MCDPH. This report uses hepatitis B data for confirmed and probable acute cases from ADHS for 2006-2008. For 2007 and 2008, data for West Nile virus are from ADHS. West Nile virus data from earlier years are from MCDPH.

Data on tuberculosis, STDs, HIV, and AIDS may differ from other reports published by MCDPH and ADHS. Data on these diseases are in databases that may have been updated during the time between reports.

Communicable disease data include only confirmed cases, with the exception of West Nile virus, hepatitis B, and Hansen's disease. Data for Hansen's disease includes all confirmed, suspect, and probable cases diagnosed in Maricopa County, including diagnoses to non-county residents, as mentioned earlier. Data for hepatitis B includes confirmed and probable acute cases among Maricopa County residents in 2006-2008. Data for West Nile virus includes confirmed and probable cases among Maricopa County residents

Primary and secondary syphilis is shown as "Syphilis-Prim. and Sec". The "Syphilis - All others" category includes latent and congenital syphilis. These two categories can be added to determine the total number of syphilis cases. Congenital syphilis details may be found in Tables **2.05a** and **2.05b**.

All communicable disease statistics in this report are new cases for each specified year (incidence). The only exception is Hansen's disease for which the prevalence (all existing cases from all years) is shown. The figures presented for Hansen's disease differ from previous years due to the addition of several cases diagnosed in previous years but only recently available.

Data can be classified by date of onset, date of diagnosis or date of report to the health department. All diseases/conditions listed in this report are classified by the date of report to the health department. The only exceptions are HIV, AIDS, and Hansen's disease which are classified by the date of diagnosis.

The category "Encephalitis Viral" includes St. Louis encephalitis and all other types of viral encephalitis except for West Nile virus. This may differ somewhat from other reports that include only certain types of encephalitides.

Comparison of hepatitis B cases in 2007 and 2008 to previous years will show a decrease in the total number of cases. This decrease is most likely due to changes in the investigation of the disease and not due to a change in the communicability of the disease in Maricopa County.

In previous Health Status Reports, hepatitis C and vancomycin-resistant enterococci (VRE) cases were reported. While hepatitis C is still reportable, limited funding has prevented investigations of most cases of the disease. Due to the poor validity of the data in question, the data is not presented in this report. VRE is not reported in this report because it was removed from the reportable disease lists on April 1, 2008.

In Tables **2.04a** and **2.04b**, the category labeled "All Others" includes all reportable diseases in the ADHS communicable disease database that are not listed previously on the table. A sharp increase can be seen due to changes in the reportable diseases list. On April 1, 2008, respiratory syncytial virus (RSV) and norovirus were added to the list. These additions explain the majority of the increase.

Natality (Birth) Statistics

Natality (birth) statistics are shown in Tables **2.07a** through **2.08**.

All data on natality are from the Arizona Department of Health Services (ADHS) final annual files. The data presented in this report are from birth certificates where the mother's county of residence is Maricopa County. This includes births that did not occur in Maricopa County. National Center for Health Statistics rules state that if a birth does not occur in the state of residency and the county and city are unknown, the city of residency is assigned to the largest

city in the state of residency. For Arizona, the largest city is Phoenix. Therefore, some births that occurred outside of Arizona are included in Maricopa County's final year end statistics even though the county and city of residence are unknown. For further explanation, please see <http://www.cdc.gov/nchs/data/dvs/3amanual.pdf>.

During the course of routine data review, several births were identified as being in one county even though their city and ZIP codes indicated that they lived in a different county. For these discrepant cases, final classification in this report was based on the address of the resident. (The address is determined by reviewing the street address, city, county, and ZIP code). In addition, one record was identified as duplicate in 2005 and deleted. Therefore, the numbers presented in this report may not precisely match those presented by ADHS in other reports.

Adequate prenatal care is based on the Adequacy of Prenatal Care Utilization Index (APCUI)¹. This index considers both the timing of prenatal care initiation and the number of visits after care was initiated, comparing the number of actual visits to the number of visits recommended by the American College of Obstetricians and Gynecologists. This index does not describe the quality of the care or adjust for maternal risk factors. Only singleton births (the birth of one baby rather than twins, triplets or other multiple births) are shown in these tables because twins and higher order births are typically higher risk pregnancies, and the index is not appropriate for summarizing their prenatal care usage.

- a) Inadequate: Prenatal care began after the fourth month of pregnancy or less than 50% of the expected prenatal care visits were attended
- b) Intermediate: Prenatal care began before the fourth month and 50 to 70% of the expected visits were attended
- c) Adequate: Prenatal care began prior to the fourth month and 80-109% of expected visits were attended
- d) Adequate plus: Prenatal care began prior to the fourth month of pregnancy and 110% or more of the expected visits were attended

Infants transferred from Banner Good Samaritan Hospital to Phoenix Children's Hospital have not been counted as transfers since the two hospitals share facilities, with Phoenix Children's Hospital providing Neonatal Intensive Care services to infants born at Banner Good Samaritan.

Infant Mortality Statistics

Infant mortality statistics are shown in Tables 2.09a through 2.15b.

Infant mortality statistics shown in this report are from linked and unlinked data as indicated in each table. An explanation of linked and unlinked data is presented below.

The infant mortality rates for older and younger maternal age groups (under 15 and over 45) may be high compared to other groups. These groups have relatively small populations in Maricopa County. Although rates may be high, they may represent only one or two cases in a given category. Therefore, it is advisable to check the raw numbers.

The following definitions related to reproductive health have been established by NCHS²:

- Birth or Live Birth³ – The complete expulsion or extraction from the mother of a product of human conception, irrespective of the duration of pregnancy or birthweight which, after such expulsion or extraction, breathes or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached.

¹ Kotelchuck, M. An Evaluation of the Kessner Adequacy of Prenatal Care Index and a Proposed Adequacy of Prenatal Care Utilization Index, *American Journal of Public Health*, 1994; 84(9):1414-1420.

² NCHS guidelines were adopted from those established by the World Health Organization (WHO).

³ The Arizona statute defining a live birth follows this definition.

- Fertility Rate – Number of live births during a calendar year per 1,000 women age 15 to 44.
- Births to Teenage Mothers – Live births occurring to females under age twenty.
- Birth Weight – The weight of a neonate determined immediately after delivery or as soon thereafter as possible.
- Low Birthweight – Any neonate weighing less than 2,500 grams at birth (less than 5 pounds, 8 ounces).
- Very Low Birthweight – Any neonate weighing less than 1,500 grams at births (less than 3 pounds, 4 ounces).
- Preterm – Any neonate whose birth occurs through the end of the last day of the 37th week (259th day), following onset of the last menstrual period.
- Infant Death – Any death at any time from birth up to, but not including, the first year of age (<365 days).
- Infant Mortality Rate – Number of infant deaths per 1,000 live births.
- Neonatal Mortality Rate – Number of deaths to infants at or under 28 days of age, per 1,000 live births.
- Postnatal (Postneonatal) Mortality Rate – Number of deaths to infants between 29 days and 365 days after birth, per 1,000 live births.
- Unlinked Infant Mortality – The number of infant deaths in a given calendar year, as determined from mortality records.
- Linked Infant Mortality – Whenever possible, infant death certificate data are linked to birth certificate information to determine parental, demographic and birth data. Not all infant deaths can be linked (up to 3% are lost to follow-up). In this report, MCDPH created a linked death cohort such that one calendar year of infant death data linked back to the birth data from the current or prior calendar year.

More Information

For more information on population and health statistics, please visit the following websites:

- Maricopa County Department of Public Health: http://www.maricopa.gov/Public_Health/
- Arizona Department of Health Services: www.hs.state.az.us
- Centers for Disease Control and Prevention, National Center for Health Statistics: www.cdc.gov/nchs
- Department of Economic Security: <https://www.azdes.gov/aspnew/default.asp>